

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049865.D
 Acq On : 18 Jul 2018 11:09
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:54 PM

Quant Time: Jul 18 12:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	588663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	787497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	168802	21.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.82%	
35) Dibromofluoromethane	7.59	113	151826	22.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.26%	
50) Toluene-d8	10.09	98	539308	21.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.80%	
62) 4-Bromofluorobenzene	12.40	95	175158	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	114701	18.92	ug/l	97
3) Chloromethane	2.06	50	151468	19.41	ug/l	98
4) Vinyl Chloride	2.18	62	166792	19.81	ug/l	100
5) Bromomethane	2.57	94	103768	19.49	ug/l	98
6) Chloroethane	2.70	64	108175	20.24	ug/l	100
7) Trichlorofluoromethane	3.01	101	229944	20.31	ug/l	98
8) Diethyl Ether	3.41	74	81536	20.15	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141791	20.87	ug/l	98
10) Methyl Iodide	3.95	142	191956	22.58	ug/l	97
11) Tert butyl alcohol	4.80	59	55849	89.20	ug/l	100
12) 1,1-Dichloroethene	3.73	96	124927	20.34	ug/l	98
13) Acrolein	3.61	56	38772	79.86	ug/l	99
14) Allyl chloride	4.32	41	192112	19.71	ug/l	97
15) Acrylonitrile	4.99	53	255961	97.17	ug/l	99
16) Acetone	3.82	43	195639	89.09	ug/l	98
17) Carbon Disulfide	4.05	76	362728	19.41	ug/l	99
18) Methyl Acetate	4.33	43	137494	16.73	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	357144	20.82	ug/l	98
20) Methylene Chloride	4.55	84	150756	19.93	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	135109	20.81	ug/l	99
22) Diisopropyl ether	5.96	45	434906	22.31	ug/l	99
23) Vinyl Acetate	5.90	43	1466861	102.33	ug/l	99
24) 1,1-Dichloroethane	5.85	63	264137	21.14	ug/l	99
25) 2-Butanone	6.84	43	295884	91.16	ug/l	100
26) 2,2-Dichloropropane	6.83	77	197681	20.79	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	151673	20.84	ug/l	98
28) Bromochloromethane	7.20	49	122861	21.19	ug/l	100
29) Tetrahydrofuran	7.22	42	194034	94.02	ug/l	99
30) Chloroform	7.37	83	273815	21.24	ug/l	99
31) Cyclohexane	7.65	56	214026	18.02	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	229146	20.92	ug/l	99
36) 1,1-Dichloropropene	7.79	75	193318	21.12	ug/l	99
37) Ethyl Acetate	6.93	43	133980	19.63	ug/l	98
38) Carbon Tetrachloride	7.77	117	207541	21.52	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	189251	20.07	ug/l	96
40) Benzene	8.04	78	597813	21.54	ug/l	99
41) Methacrylonitrile	7.18	41	61233	17.47	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	199498	21.14	ug/l	100
43) Isopropyl Acetate	8.17	43	243434	20.96	ug/l #	88
44) Trichloroethene	8.84	130	156279	21.41	ug/l	99
45) 1,2-Dichloropropane	9.12	63	158608	21.46	ug/l	100
46) Dibromomethane	9.21	93	97687	20.71	ug/l	99
47) Bromodichloromethane	9.40	83	208755	21.78	ug/l	97
48) Methyl methacrylate	9.20	41	114529	19.88	ug/l	98
49) 1,4-Dioxane	9.20	88	32856	376.30	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	685526	100.33	ug/l	98
52) Toluene	10.16	92	365129	21.96	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	197521	21.11	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	222849	21.22	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	145168	21.27	ug/l	98
56) Ethyl methacrylate	10.43	69	168946	20.44	ug/l	98
57) 1,3-Dichloropropane	10.71	76	231276	20.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	402309	103.12	ug/l	99
59) 2-Hexanone	10.75	43	451839	96.46	ug/l	97
60) Dibromochloromethane	10.90	129	160563	21.13	ug/l	100
61) 1,2-Dibromoethane	11.01	107	137450	20.55	ug/l	100
64) Tetrachloroethene	10.63	164	146605	21.89	ug/l	97
65) Chlorobenzene	11.43	112	401784	21.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155898	21.75	ug/l	99
67) Ethyl Benzene	11.51	91	654079	21.79	ug/l	98
68) m/p-Xylenes	11.62	106	521117	45.76	ug/l	97
69) o-Xylene	11.95	106	244777	22.54	ug/l	96
70) Styrene	11.96	104	400673	22.76	ug/l	100
71) Bromoform	12.13	173	111294	20.16	ug/l #	100
73) Isopropylbenzene	12.25	105	651683	21.92	ug/l	100
74) N-amyl acetate	12.07	43	195400	19.89	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	184326	19.33	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	154518m	19.23	ug/l	
77) Bromobenzene	12.53	156	171796	21.08	ug/l	97
78) n-propylbenzene	12.59	91	741415	22.16	ug/l	100
79) 2-Chlorotoluene	12.67	91	455576	22.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	538401	23.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47293	19.26	ug/l	96
82) 4-Chlorotoluene	12.77	91	460588	22.57	ug/l	99
83) tert-Butylbenzene	12.99	119	447338	21.90	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	546477	23.00	ug/l	99
85) sec-Butylbenzene	13.17	105	621014	22.60	ug/l	99
86) p-Isopropyltoluene	13.29	119	528573	22.75	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	302238	21.57	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298645	21.70	ug/l	100
89) n-Butylbenzene	13.62	91	408227	21.43	ug/l	99
90) Hexachloroethane	13.88	117	104864	20.10	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	301990	21.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28064	17.56	ug/l	99

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VSTDICC020

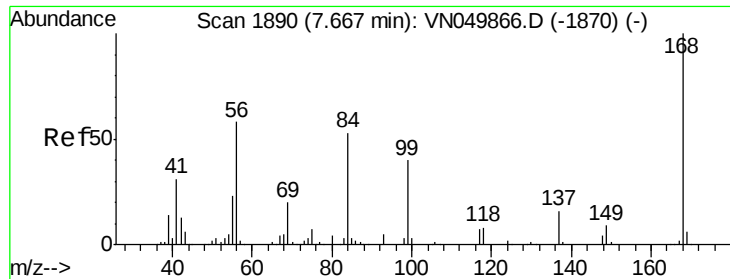
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136684	21.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	91974	20.67	ug/l	97
95) Naphthalene	15.14	128	285279	18.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	140159	20.90	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 588663

Ion Ratio Lower Upper

168 100

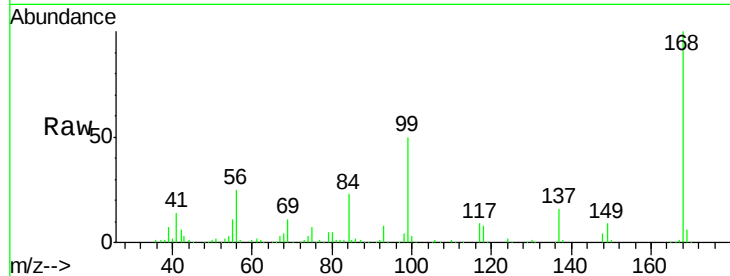
99 49.6 40.6 61.0

Manual Integrations

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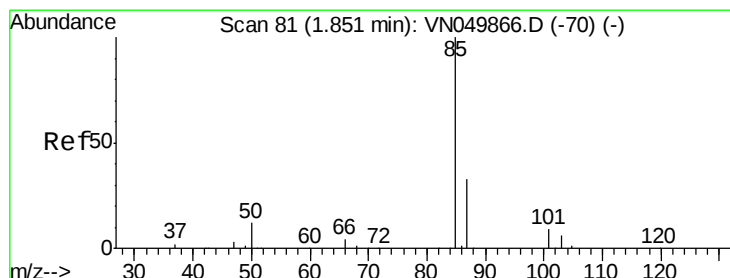
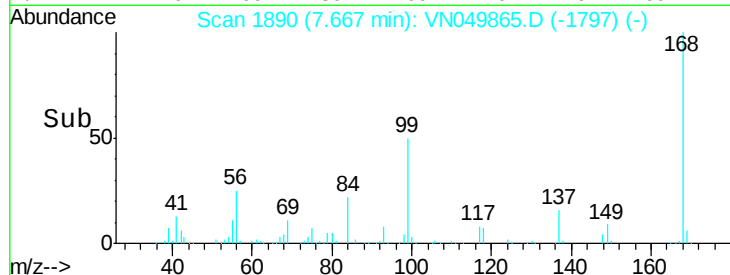
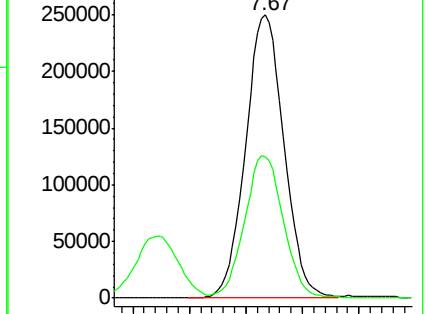
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.92 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049865.D

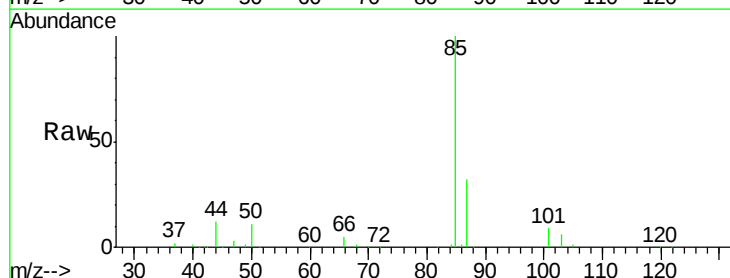
Acq: 18 Jul 2018 11:09

Tgt Ion: 85 Resp: 114701

Ion Ratio Lower Upper

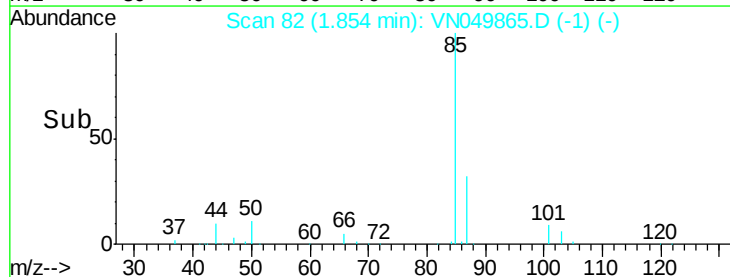
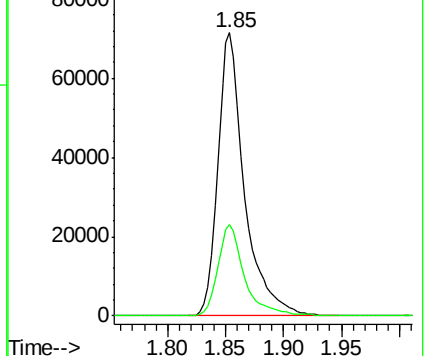
85 100

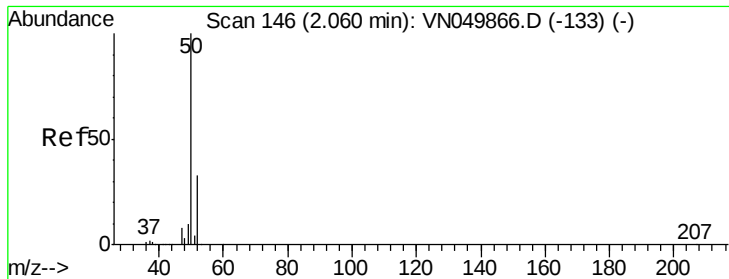
87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.41 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 151468

Ion Ratio Lower Upper

50 100

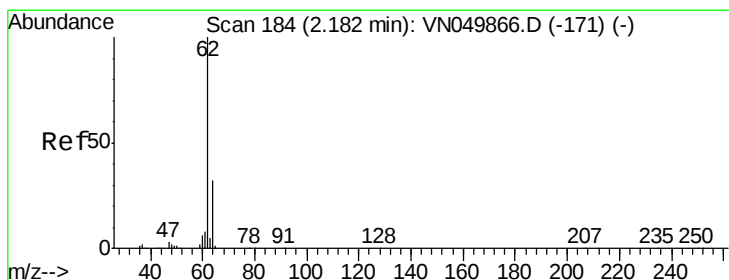
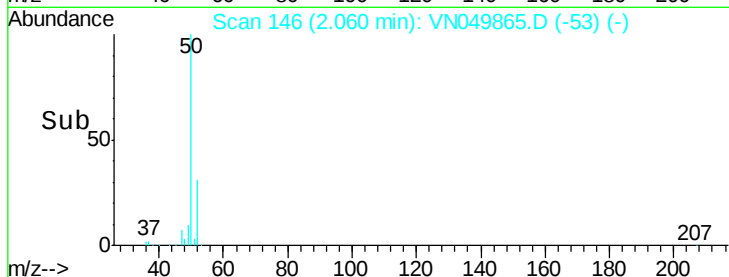
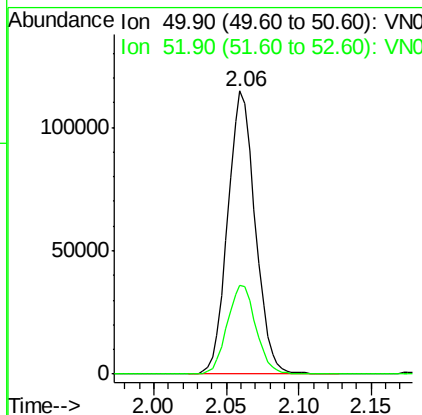
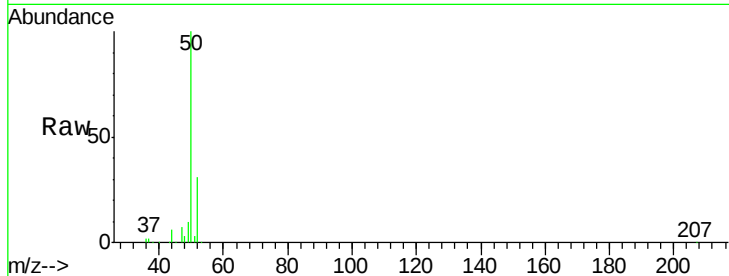
52 31.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.81 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049865.D

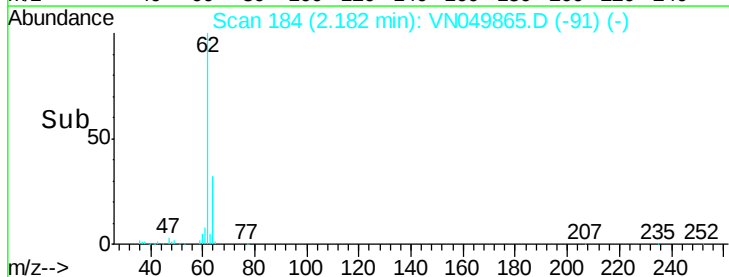
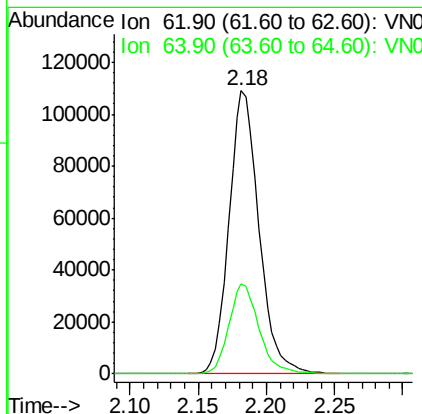
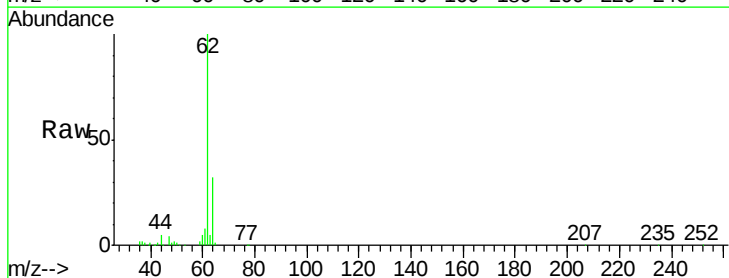
Acq: 18 Jul 2018 11:09

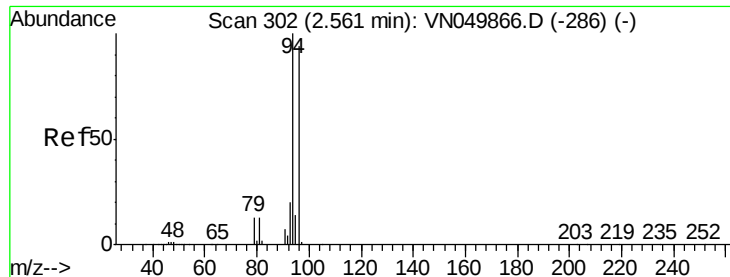
Tgt Ion: 62 Resp: 166792

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 19.49 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 103768

Ion Ratio Lower Upper

94 100

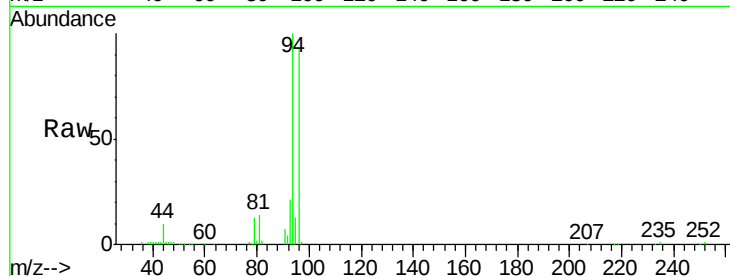
96 92.5 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN049866.D (-286) (-)

Ion 95.90 (95.60 to 96.60): VN049866.D (-286) (-)

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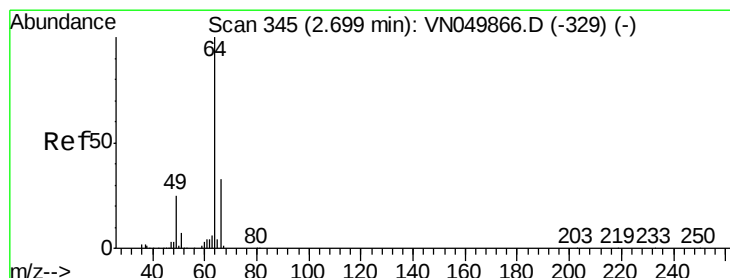
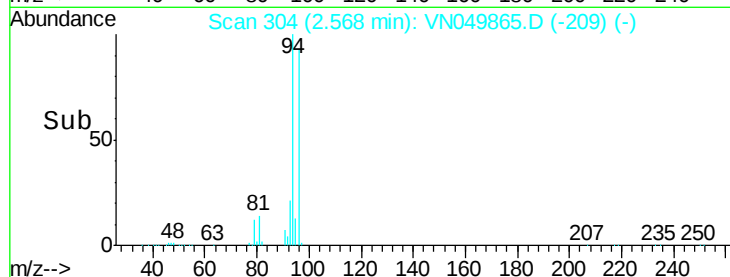
2.57

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2.57

2.57



#6

Chloroethane

Concen: 20.24 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049865.D

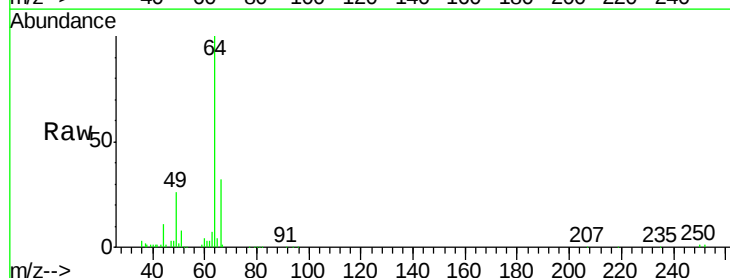
Acq: 18 Jul 2018 11:09

Tgt Ion: 64 Resp: 108175

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049866.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN049866.D (-329) (-)

2.70

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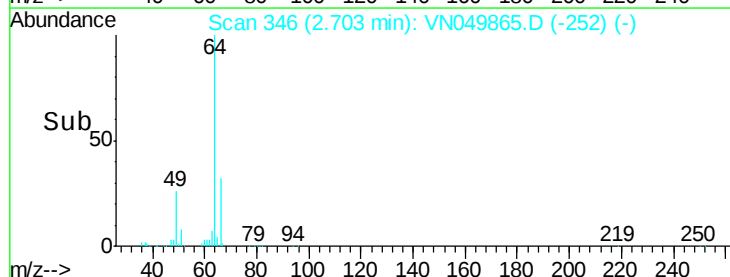
2.70

2.70

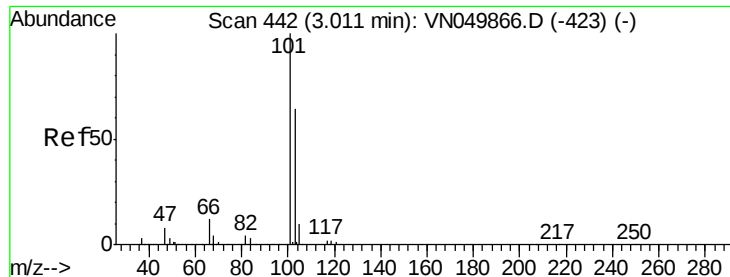
2.70

2.70

2.70



Time-->



#7

Trichlorofluoromethane

Concen: 20.31 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:101 Resp: 229944

Ion Ratio Lower Upper

101 100

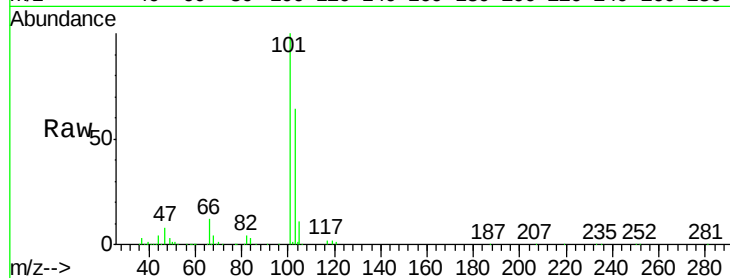
103 64.3 52.8 79.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

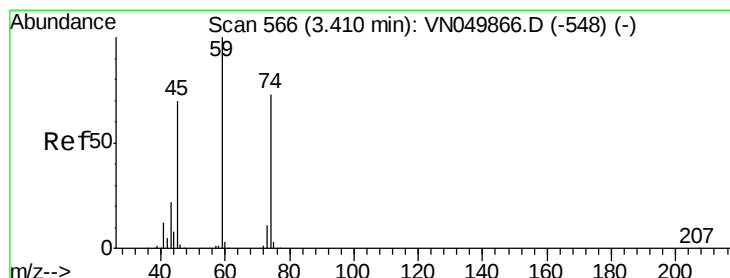
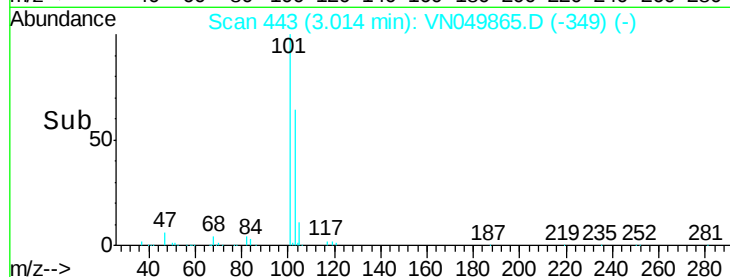
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 20.15 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049865.D

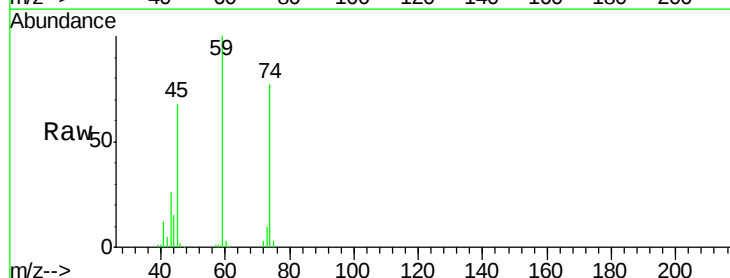
Acq: 18 Jul 2018 11:09

Tgt Ion: 74 Resp: 81536

Ion Ratio Lower Upper

74 100

45 94.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

40000

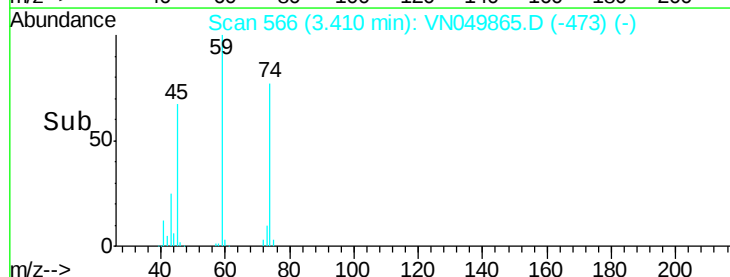
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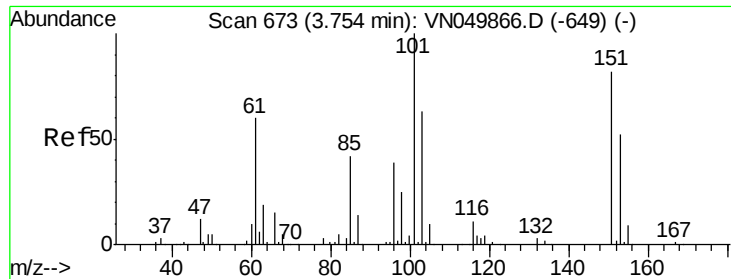
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





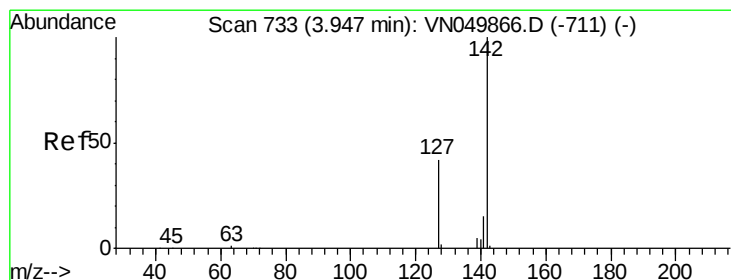
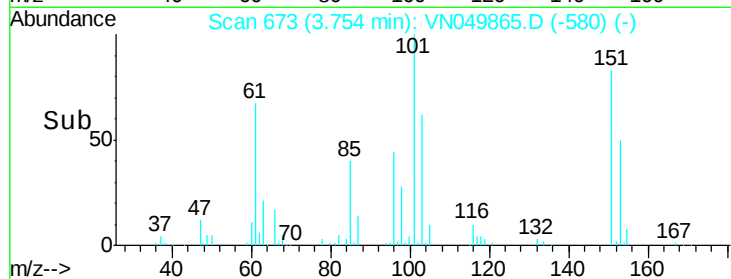
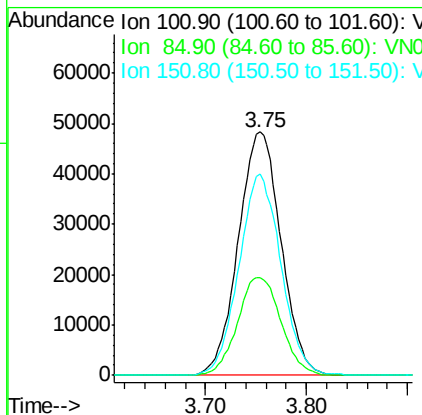
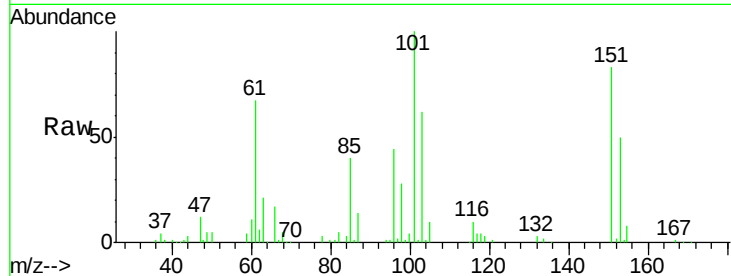
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.87 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	141791		
85	40.8	34.4	51.6	
151	81.3	66.2	99.4	

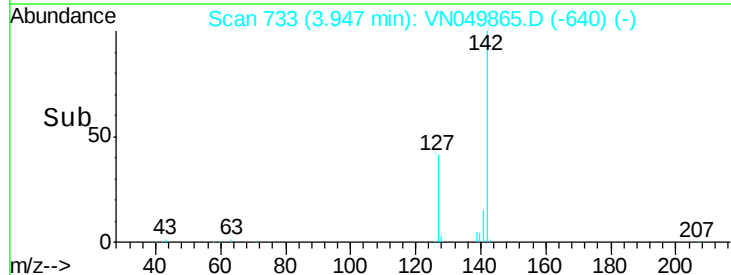
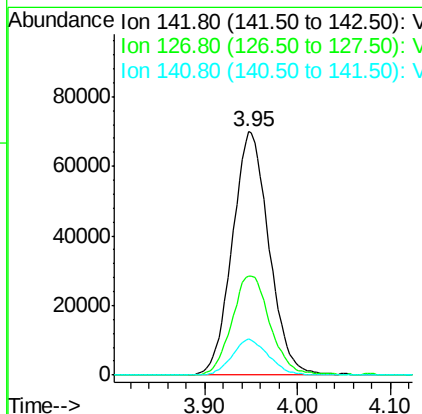
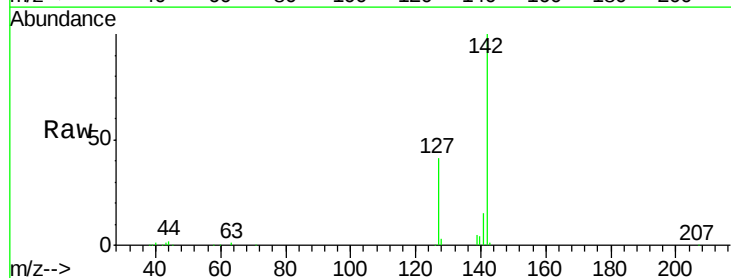
Manual Integrations
 APPROVED

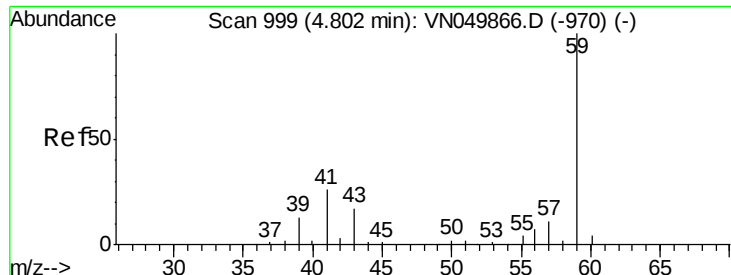
MMDadoda
 7/19/2018 4:28:54 PM



#10
 Methyl Iodide
 Concen: 22.58 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	191956		
127	42.6	32.5	48.7	
141	14.8	11.1	16.7	





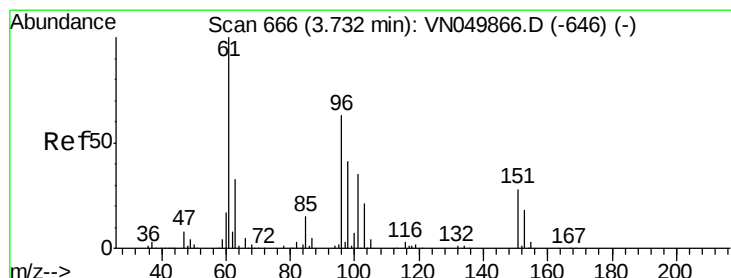
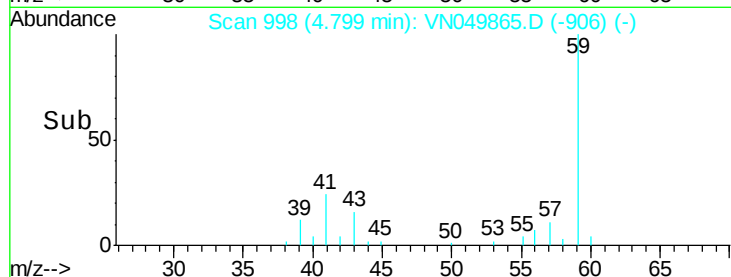
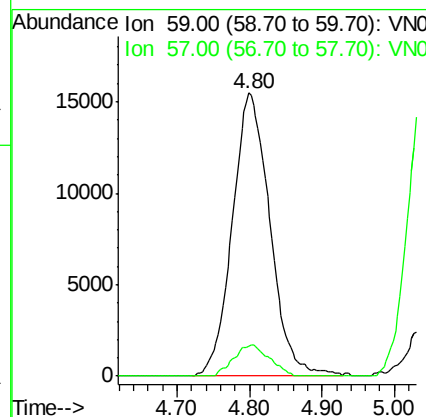
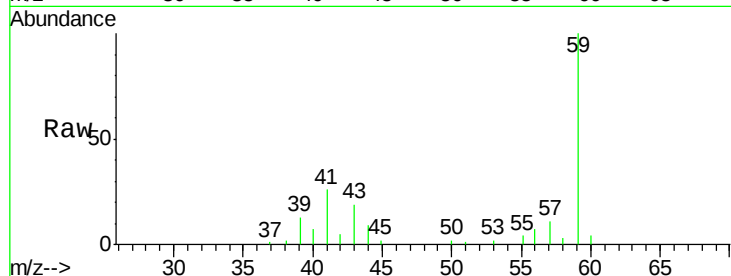
#11
Tert butyl alcohol
Concen: 89.20 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

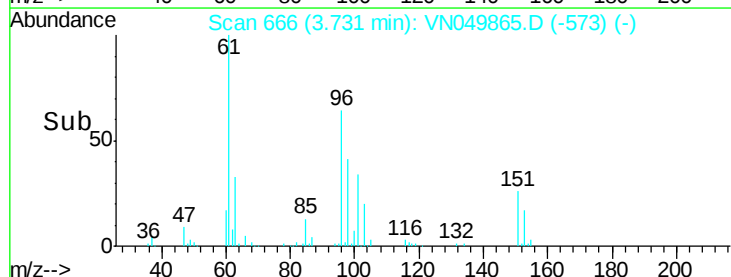
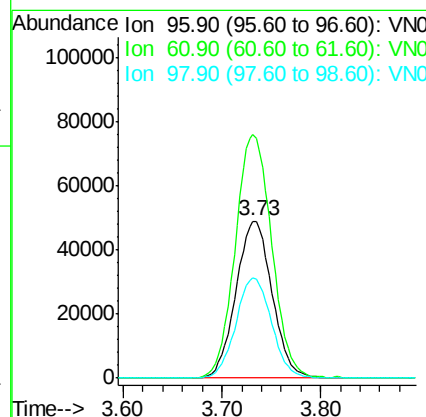
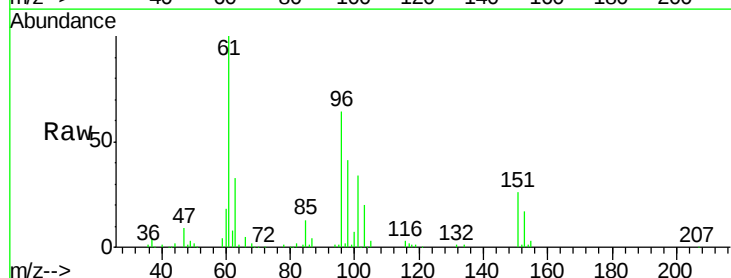
Manual Integrations
APPROVED

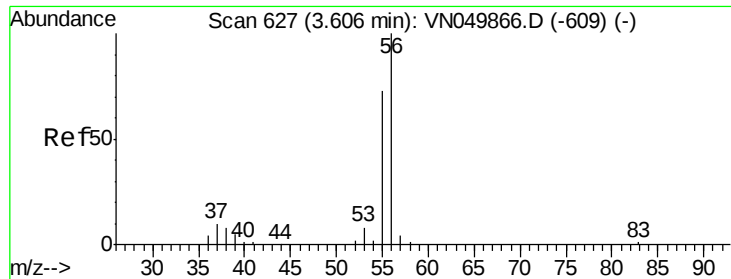
MMDadoda
7/19/2018 4:28:54 PM



#12
1,1-Dichloroethene
Concen: 20.34 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	126.5	189.7
98	64.1	51.0	76.6





#13

Acrolein

Concen: 79.86 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 38772

Ion Ratio Lower Upper

56 100

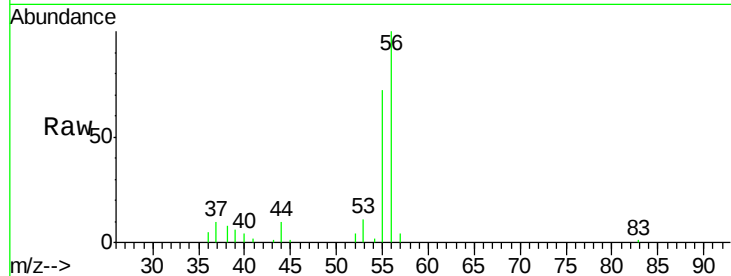
55 69.2 55.8 83.8

Manual Integrations

APPROVED

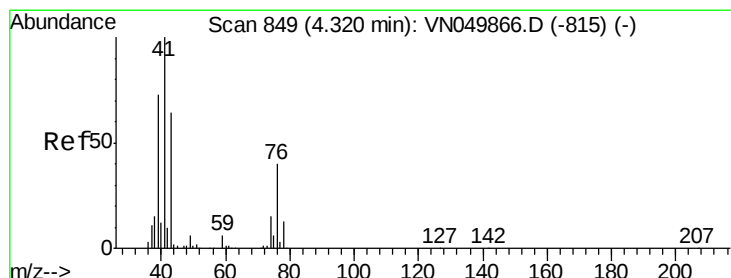
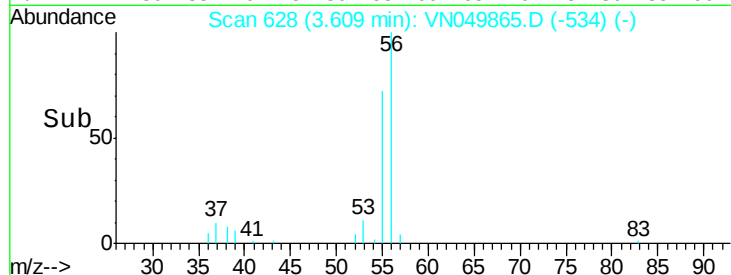
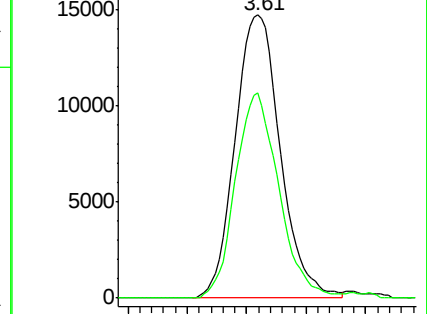
MMDadoda

7/19/2018 4:28:54 PM



Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-609) (-)

Ion 55.00 (54.70 to 55.70): VN049866.D (-609) (-)



#14

Allyl chloride

Concen: 19.71 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

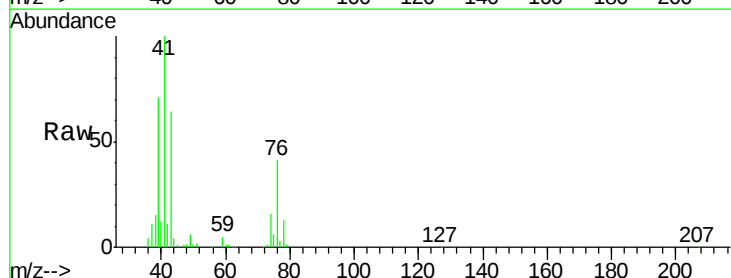
Tgt Ion: 41 Resp: 192112

Ion Ratio Lower Upper

41 100

39 69.5 53.2 79.8

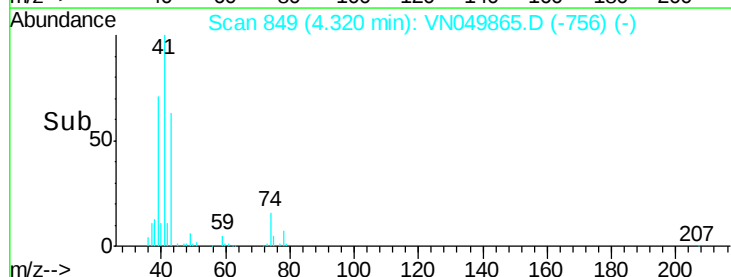
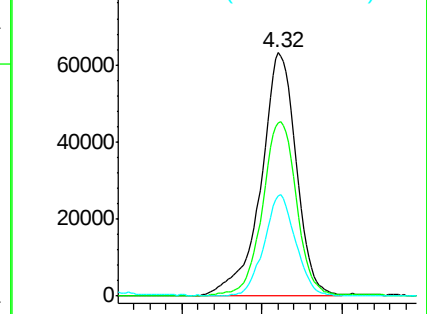
76 37.3 29.0 43.6

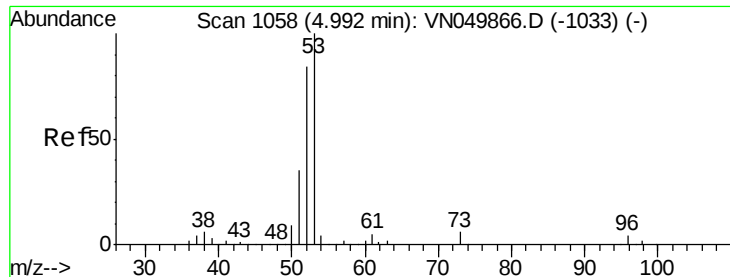


Abundance Ion 41.00 (40.70 to 41.70): VN049866.D (-815) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-815) (-)

Ion 75.90 (75.60 to 76.60): VN049866.D (-815) (-)





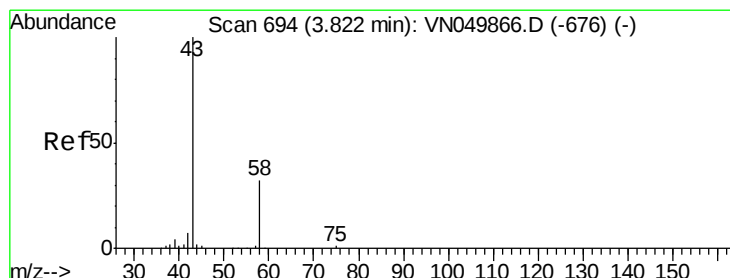
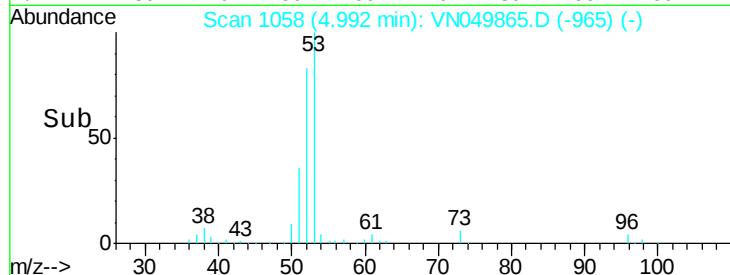
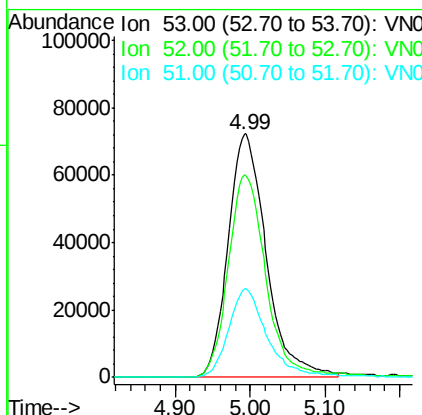
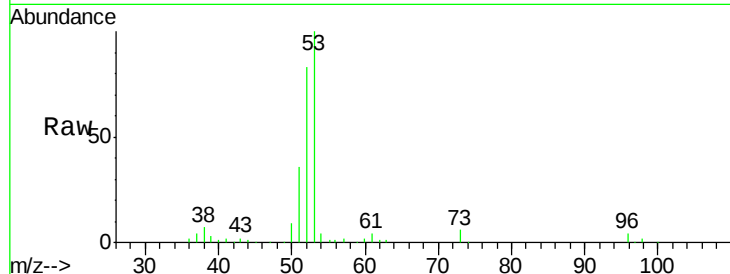
#15
 Acrylonitrile
 Concen: 97.17 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.8	97.2
51	36.8	28.9	43.3

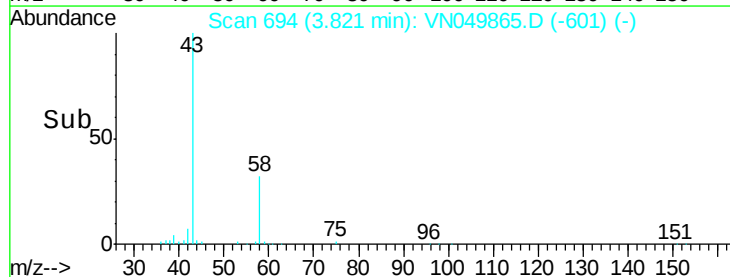
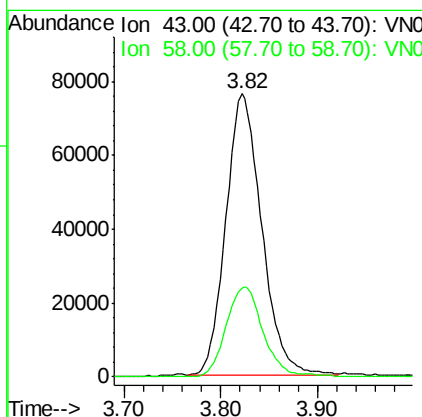
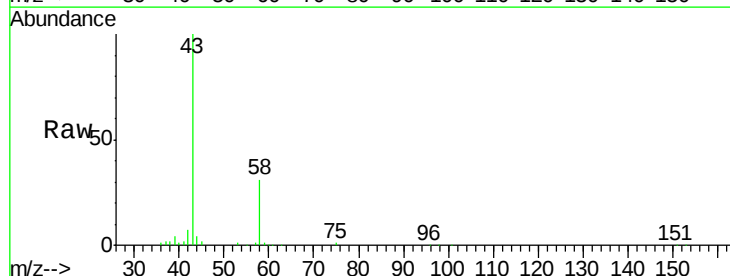
Manual Integrations
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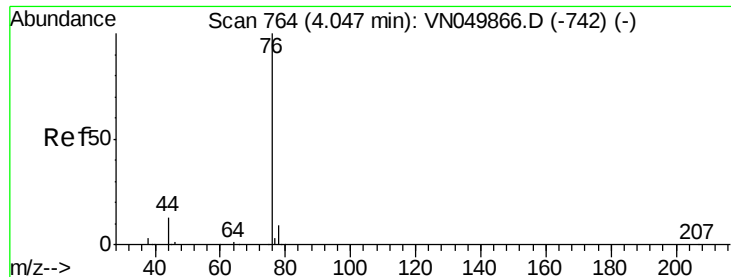
MMDadoda
 7/19/2018 4:28:54 PM



#16
 Acetone
 Concen: 89.09 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.9	38.9





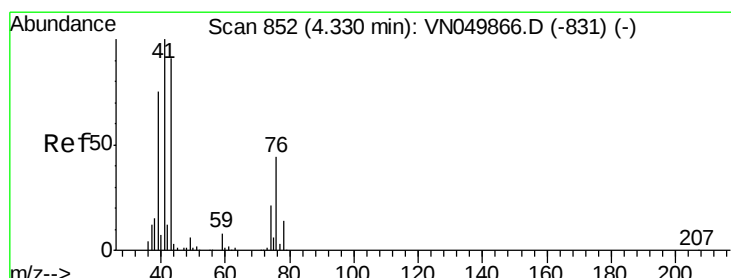
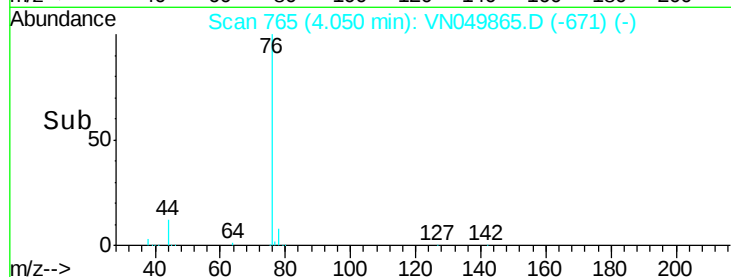
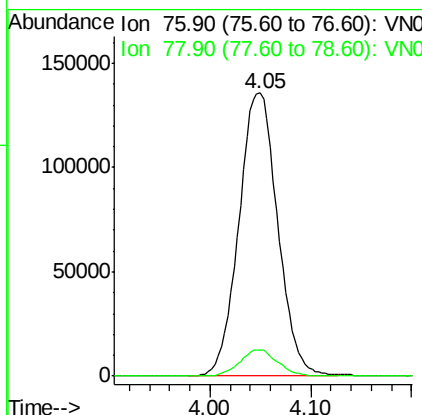
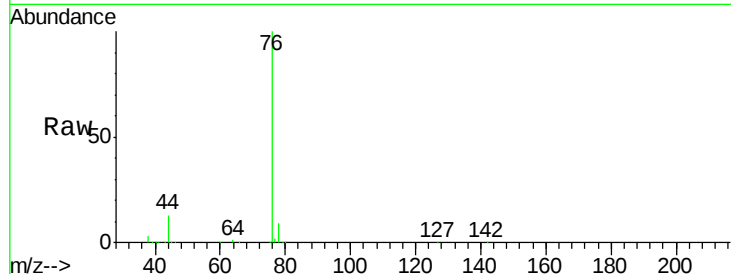
#17
Carbon Disulfide
Concen: 19.41 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

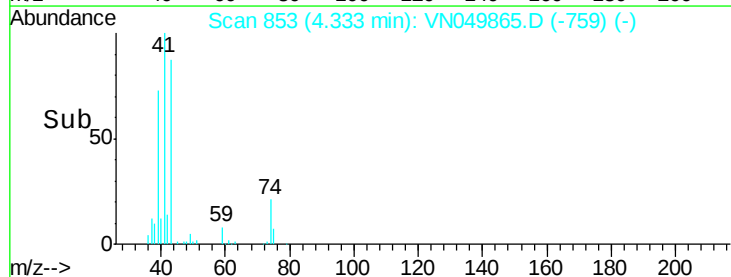
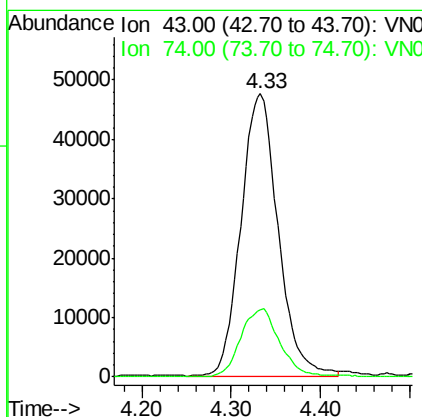
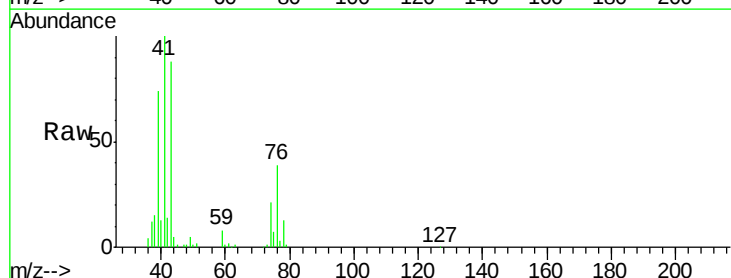
Manual Integrations
APPROVED

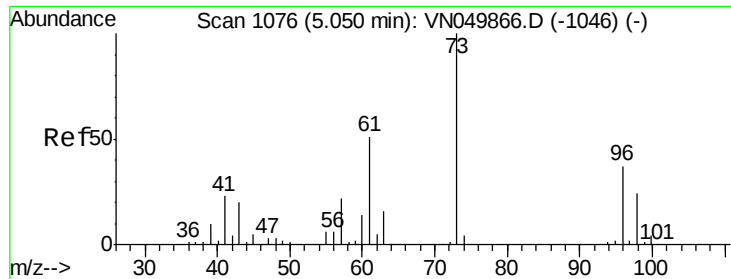
MMDadoda
7/19/2018 4:28:54 PM



#18
Methyl Acetate
Concen: 16.73 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.8	29.8





#19

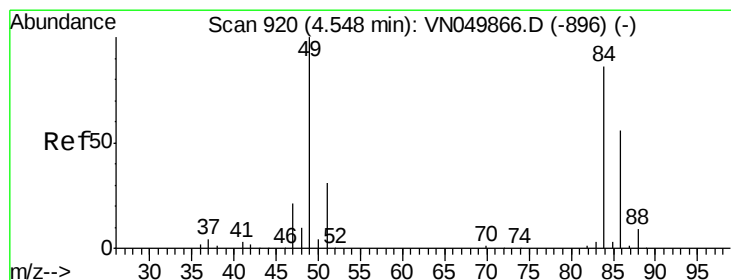
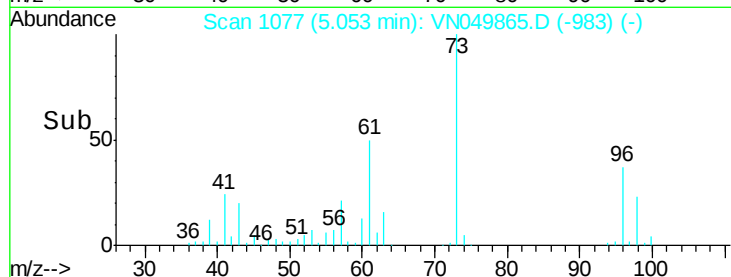
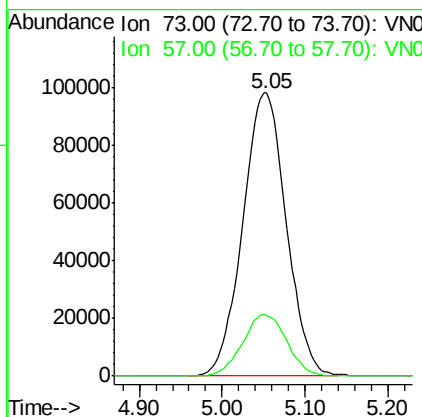
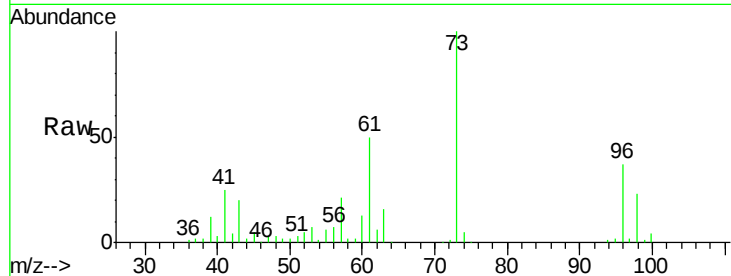
Methyl tert-butyl Ether
 Concen: 20.82 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 73 Resp: 357144
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.1 27.1

Manual Integrations
 APPROVED

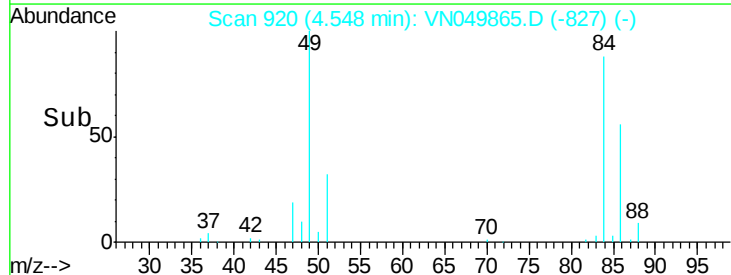
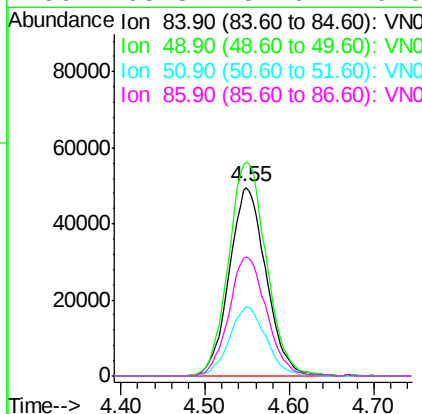
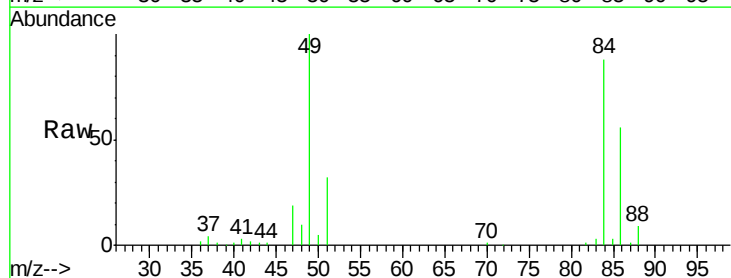
MMDadoda
 7/19/2018 4:28:54 PM

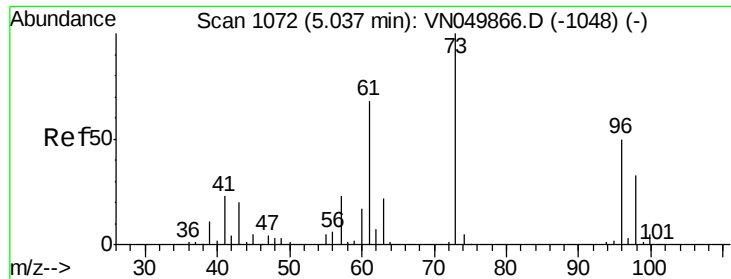


#20

Methylene Chloride
 Concen: 19.93 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion: 84 Resp: 150756
 Ion Ratio Lower Upper
 84 100
 49 112.8 95.4 143.2
 51 36.6 28.4 42.6
 86 63.3 52.6 79.0





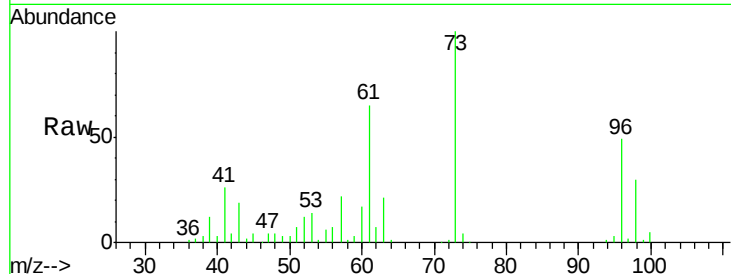
#21
trans-1,2-Dichloroethene
Concen: 20.81 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	109.0	163.6
98	62.6	51.1	76.7

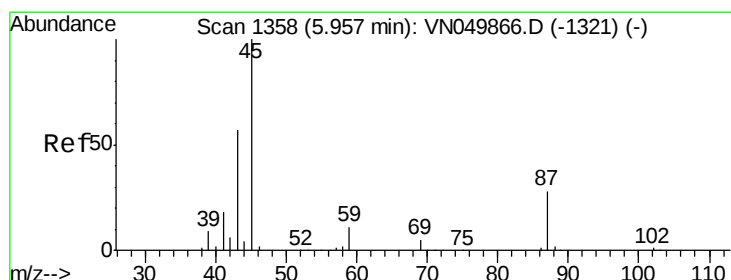
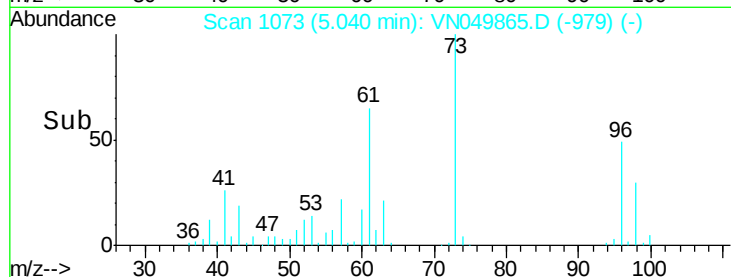
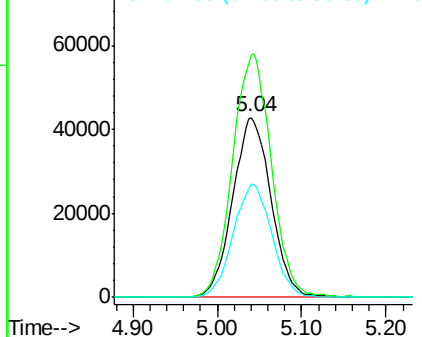
Manual Integrations
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Abundance

Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

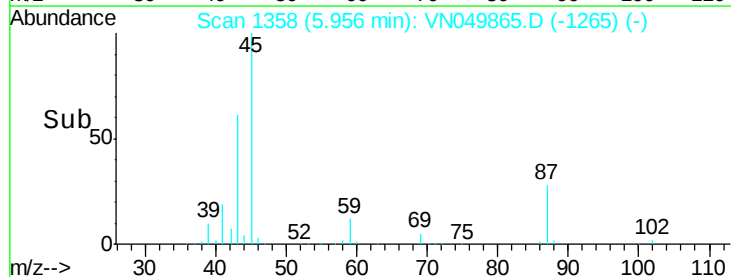
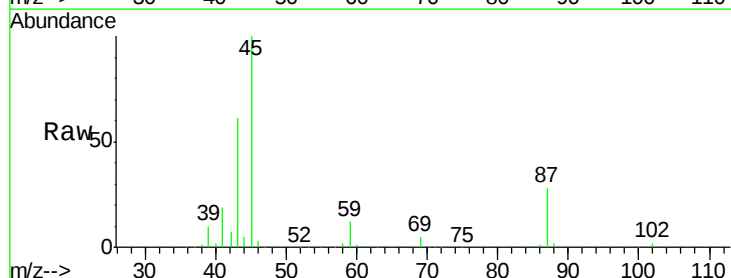
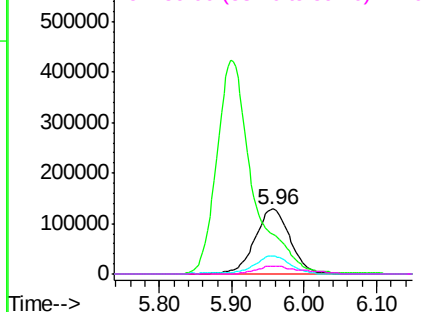


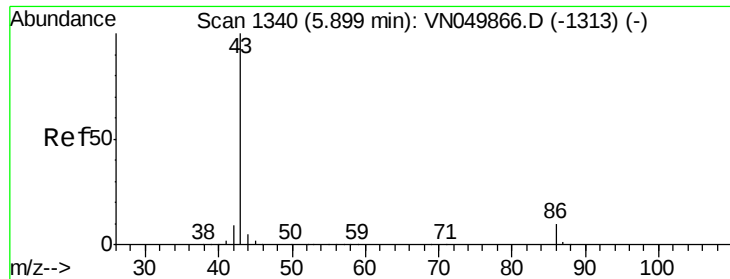
#22
Diisopropyl ether
Concen: 22.31 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.1	72.1
87	28.1	22.6	34.0
59	12.0	9.2	13.8

Abundance

Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





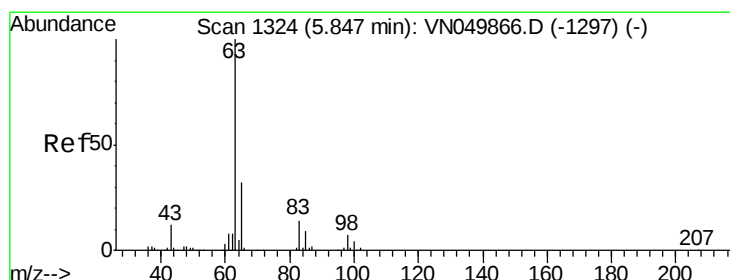
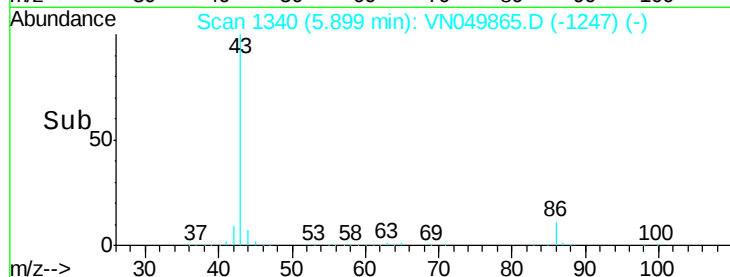
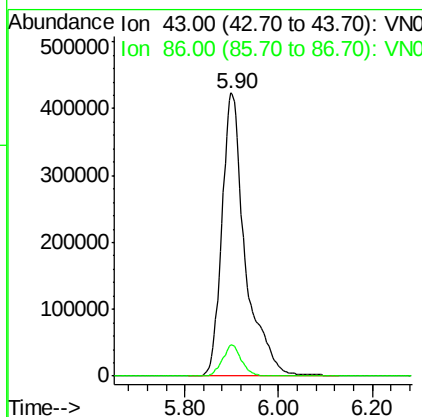
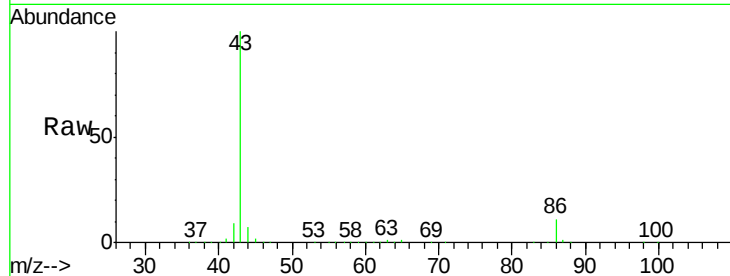
#23
 Vinyl Acetate
 Concen: 102.33 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1466861
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6

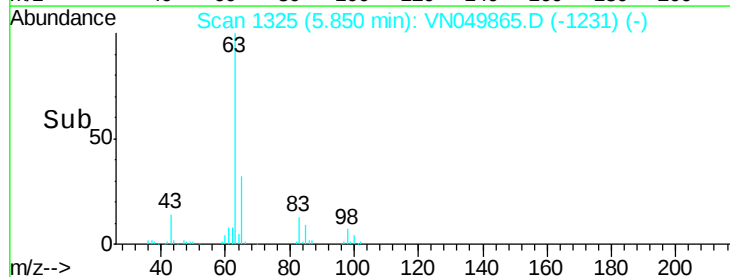
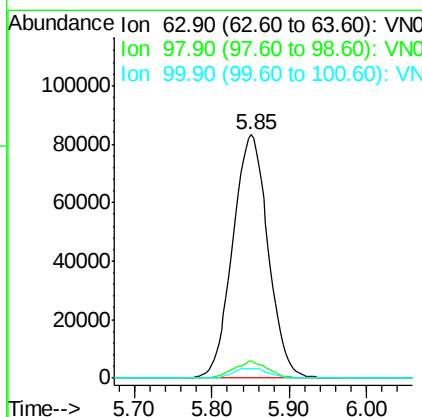
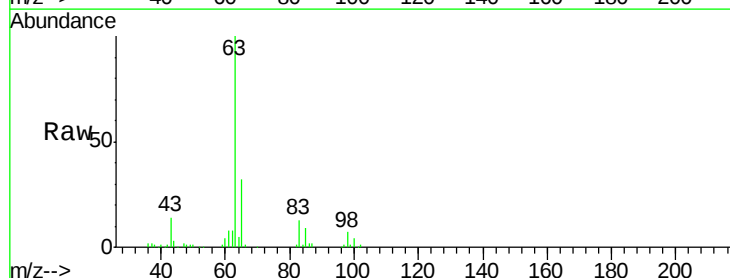
Manual Integrations
 APPROVED

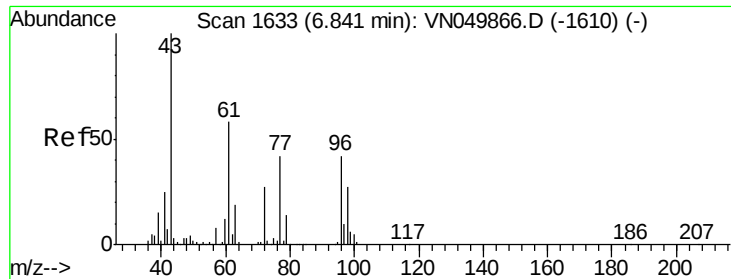
MMDadoda
 7/19/2018 4:28:54 PM



#24
 1,1-Dichloroethane
 Concen: 21.14 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion: 63 Resp: 264137
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 3.9 2.2 6.6





#25

2-Butanone

Concen: 91.16 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 295884

Ion Ratio Lower Upper

43 100

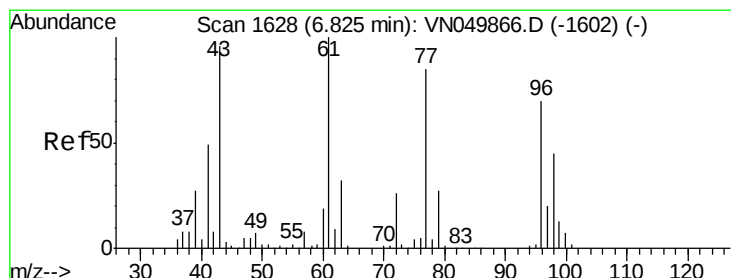
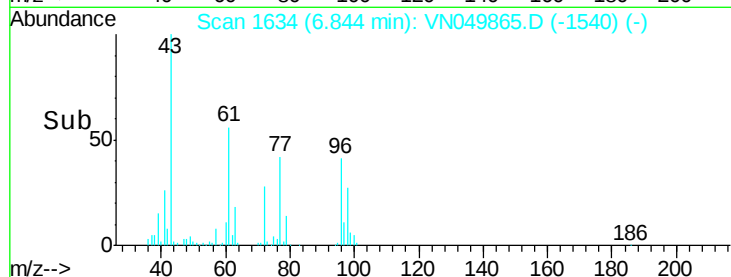
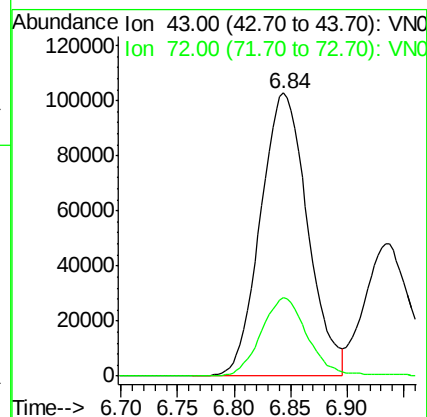
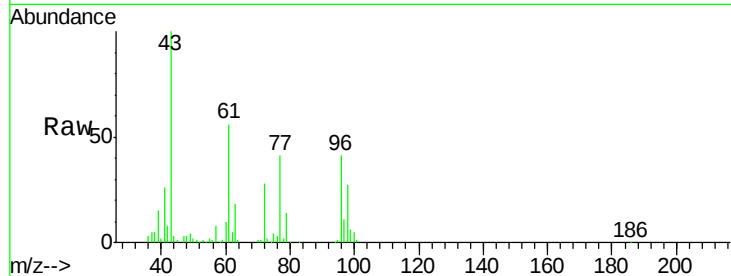
72 27.6 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 20.79 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049865.D

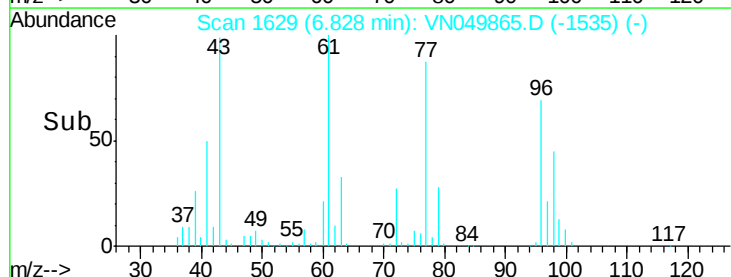
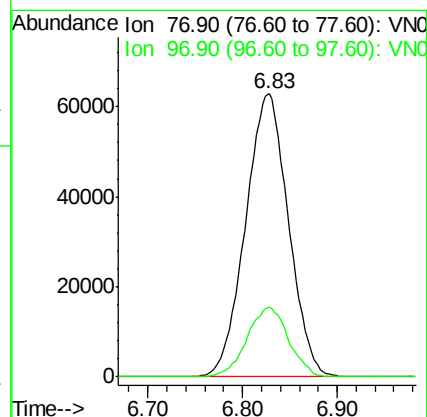
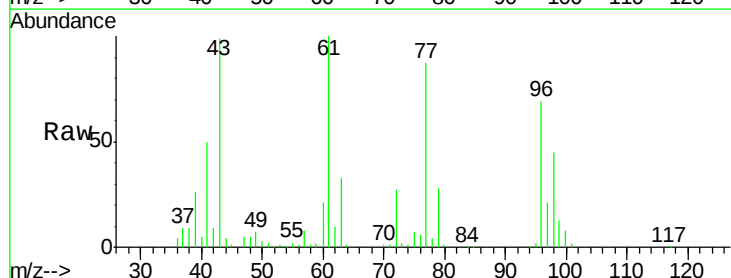
Acq: 18 Jul 2018 11:09

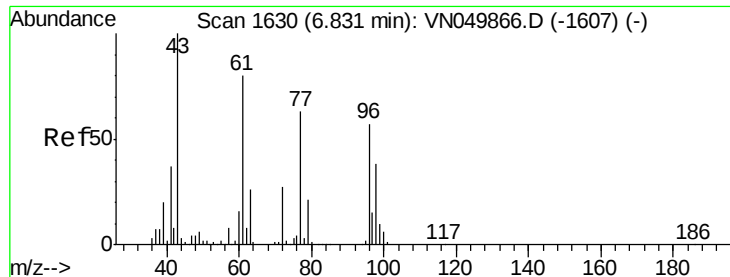
Tgt Ion: 77 Resp: 197681

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.5





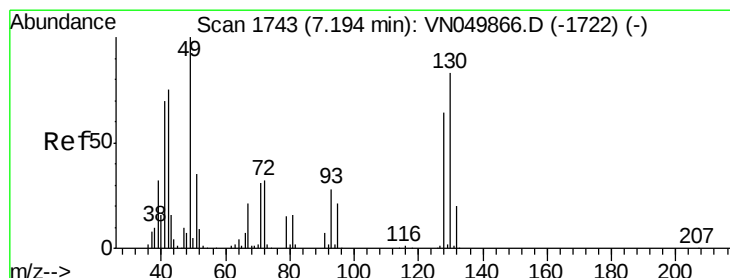
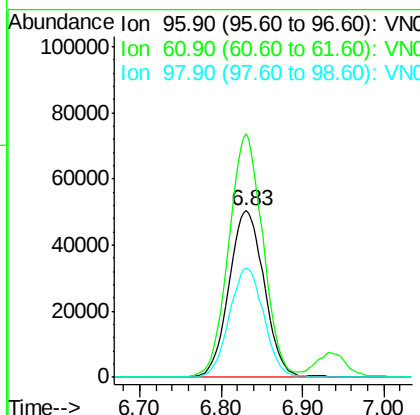
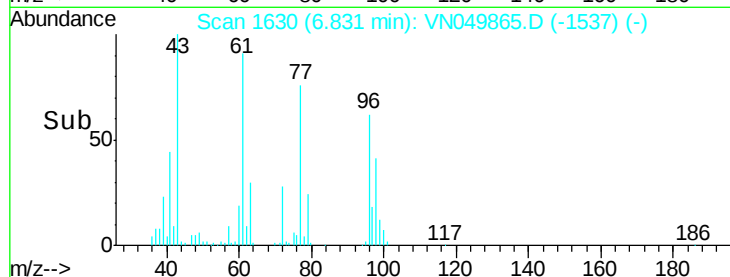
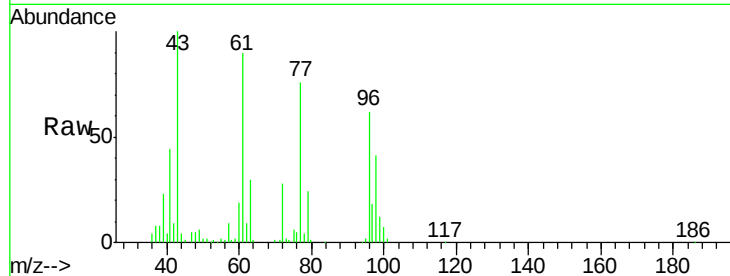
#27
 cis-1,2-Dichloroethene
 Concen: 20.84 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151673		
61	141.2	0.0	289.0	
98	64.3	0.0	130.2	

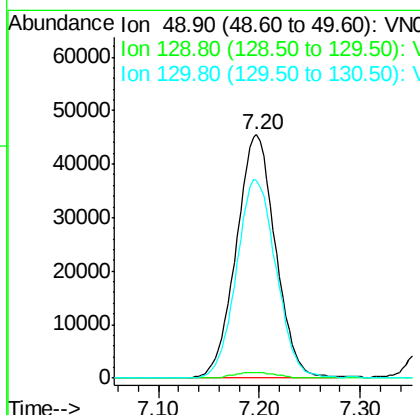
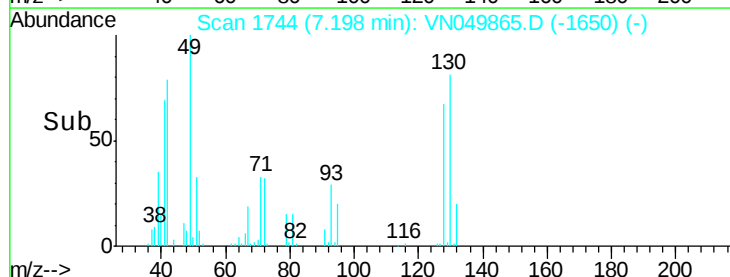
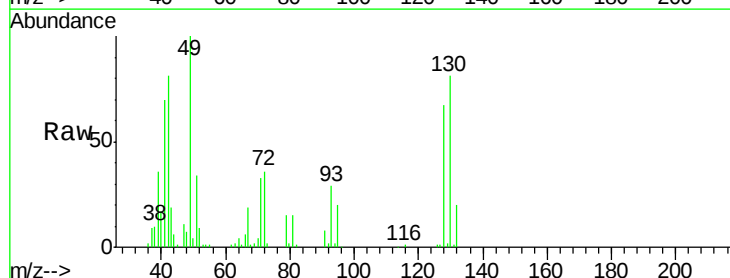
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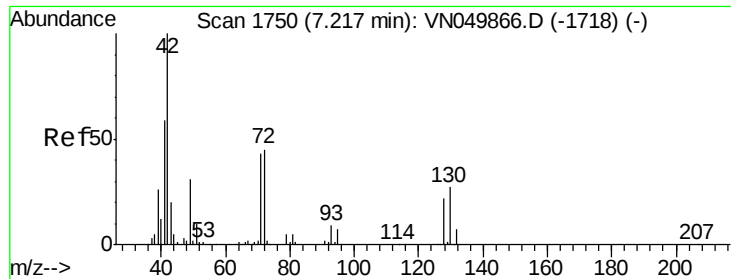
MMDadoda
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#28
 Bromochloromethane
 Concen: 21.19 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122861		
129	2.5	0.0	4.2	
130	82.3	65.5	98.3	





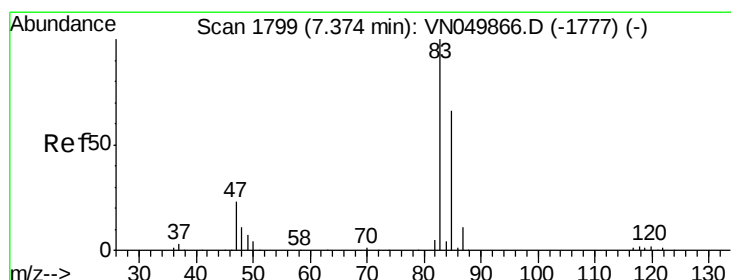
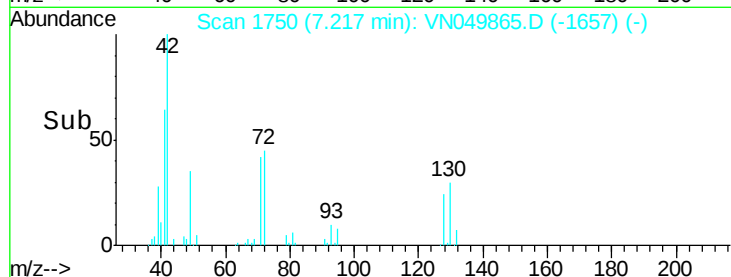
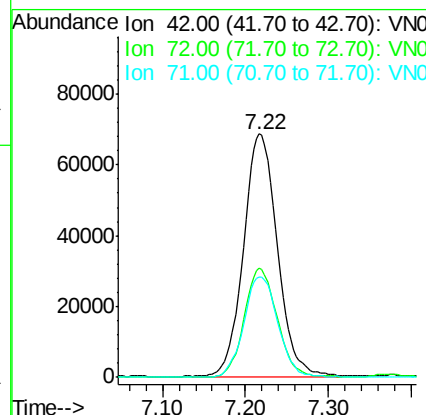
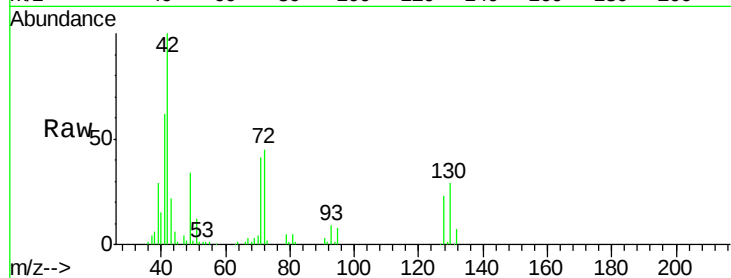
#29
Tetrahydrofuran
Concen: 94.02 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.6	53.4
71	41.9	34.0	51.0

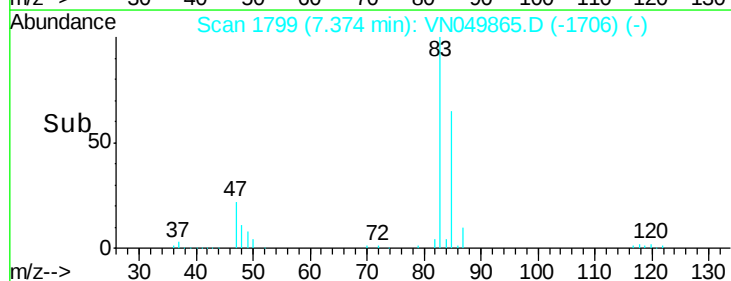
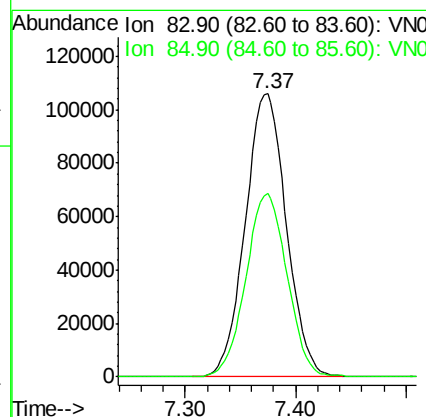
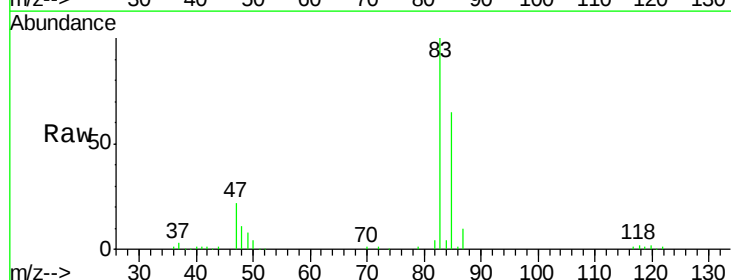
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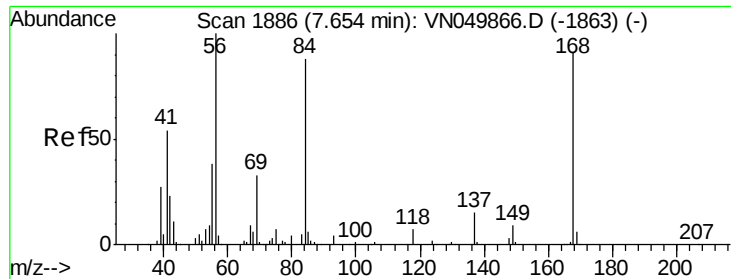
MMDadoda
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#30
Chloroform
Concen: 21.24 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





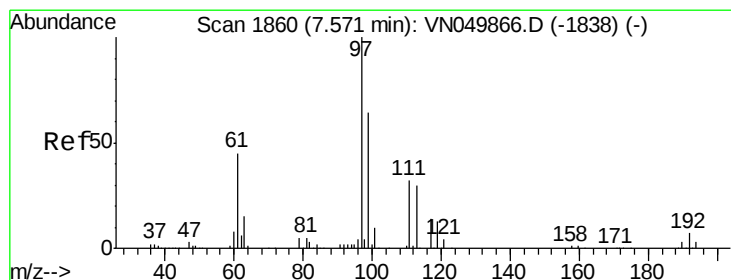
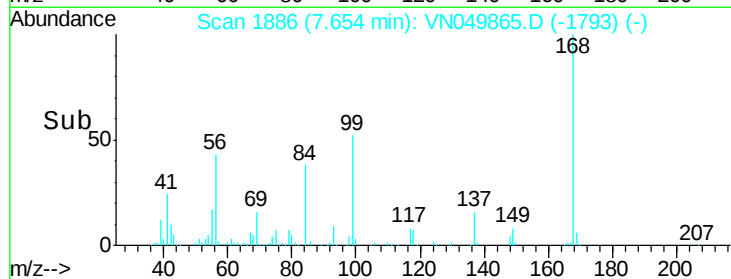
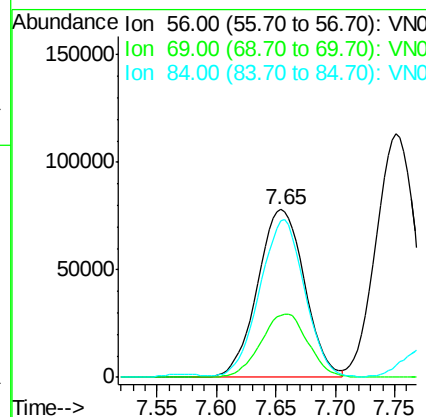
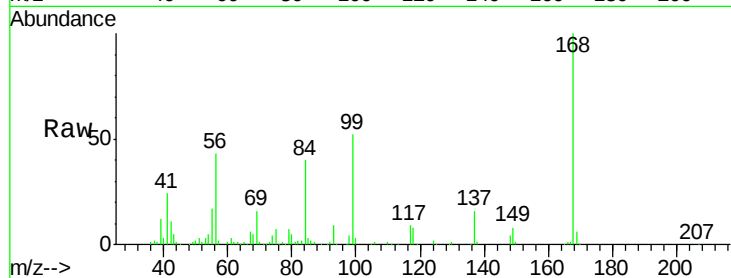
#31
Cyclohexane
Concen: 18.02 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.6	40.0
84	91.7	69.0	103.6

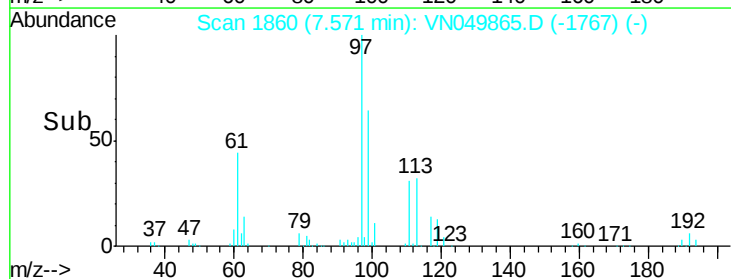
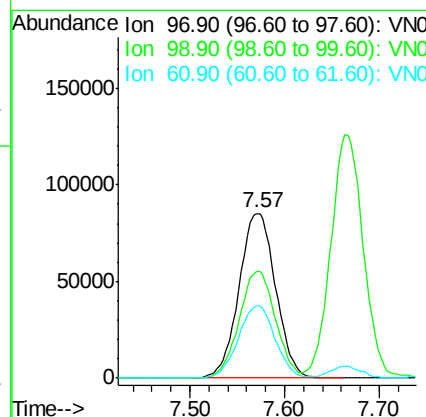
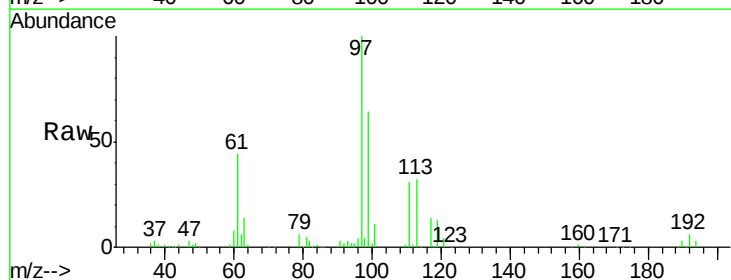
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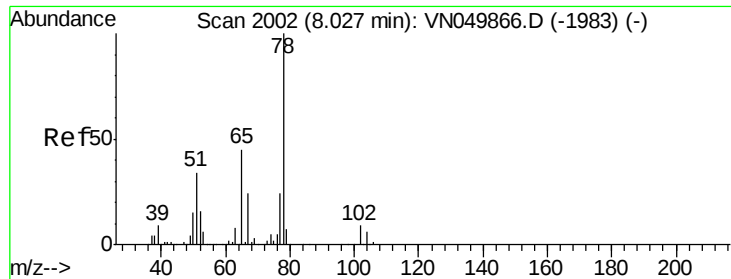
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#32
1,1,1-Trichloroethane
Concen: 20.92 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	44.2	35.5	53.3





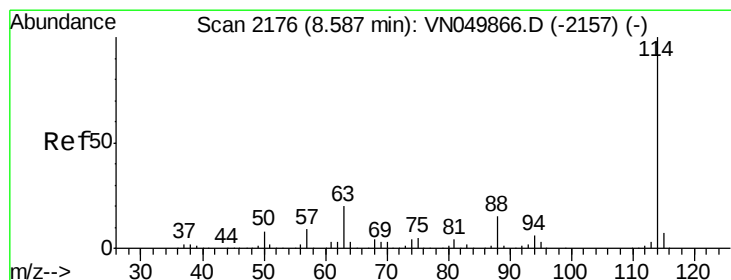
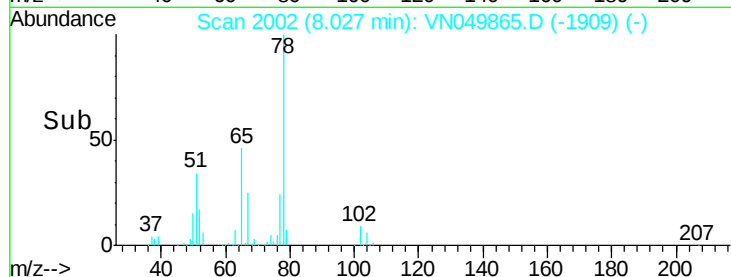
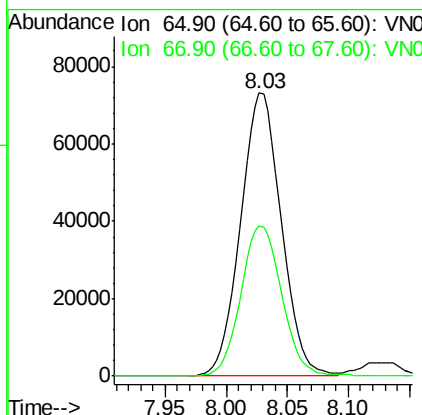
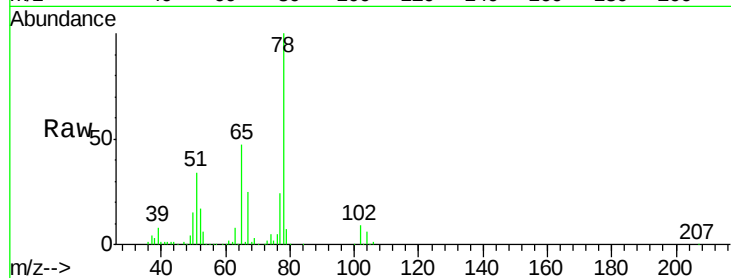
#33
 1,2-Dichloroethane-d4
 Concen: 21.41 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168802		
67	53.1	0.0	107.2	

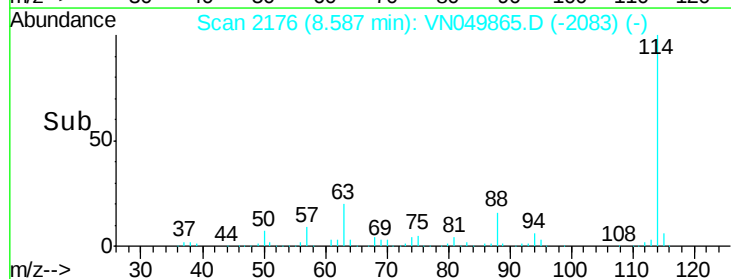
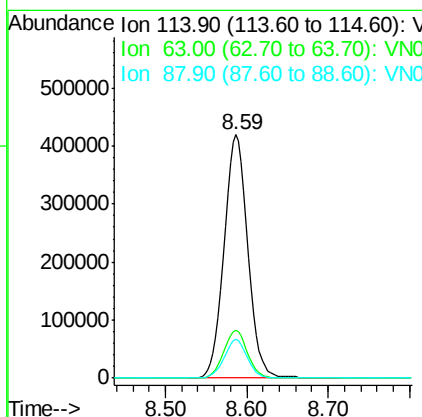
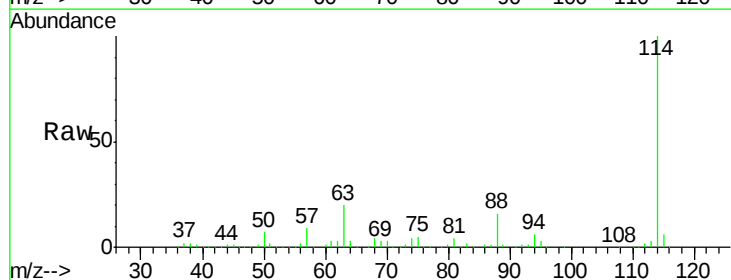
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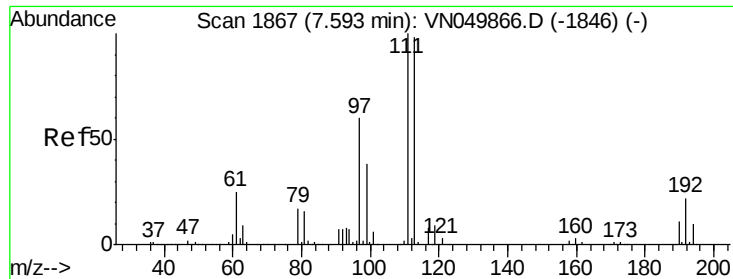
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	865165		
63	19.8	0.0	39.8	
88	15.9	0.0	30.6	





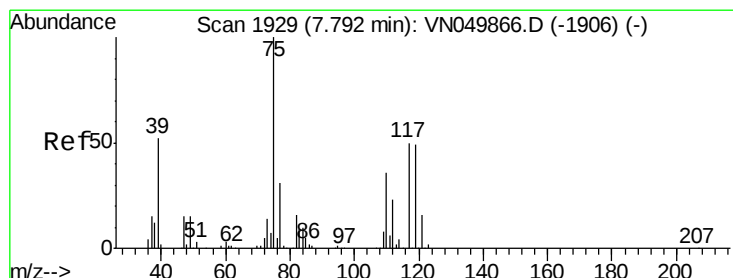
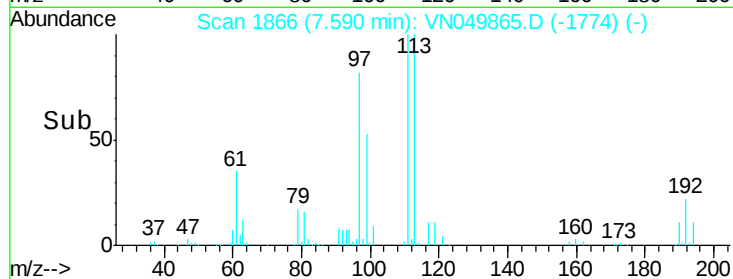
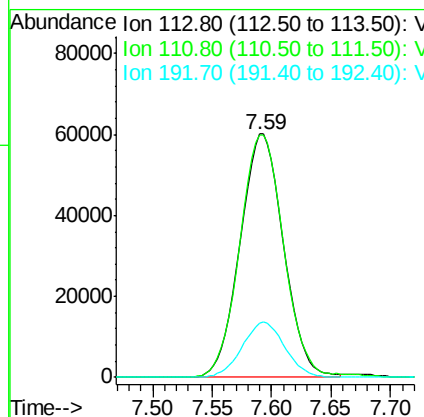
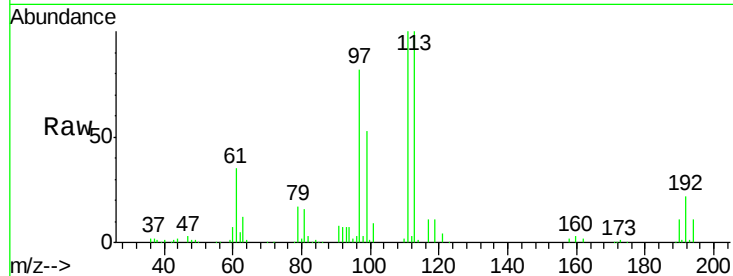
#35
 Dibromofluoromethane
 Concen: 22.13 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151826		
111	101.6	81.8	122.8	
192	22.3	17.8	26.6	

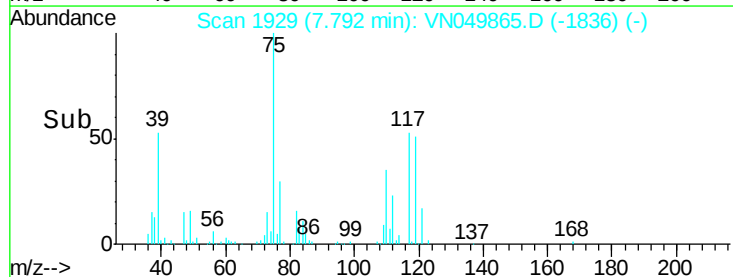
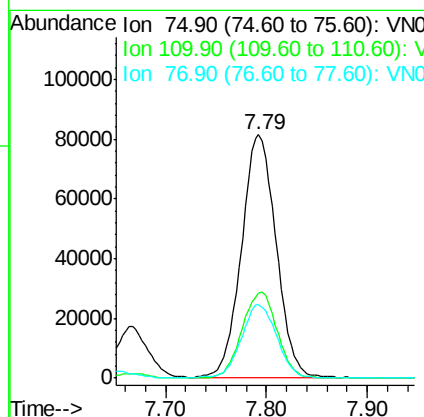
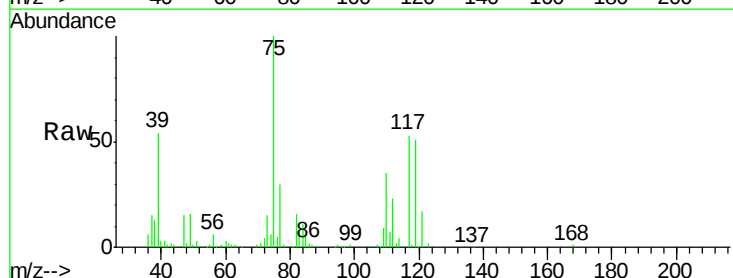
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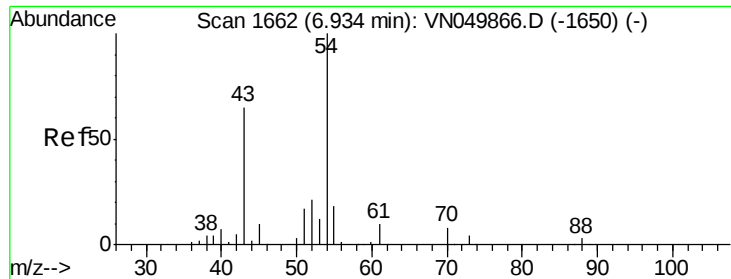
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#36
 1,1-Dichloropropene
 Concen: 21.12 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193318		
110	35.9	18.1	54.4	
77	30.4	24.9	37.3	





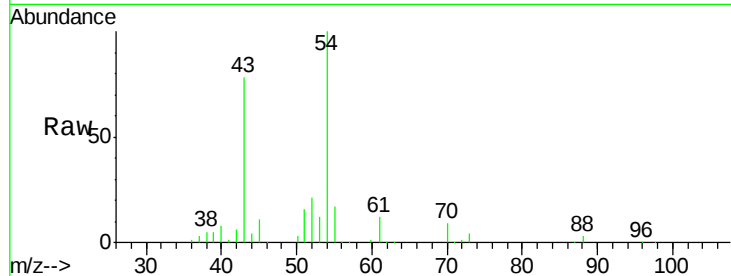
#37
Ethyl Acetate
Concen: 19.63 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

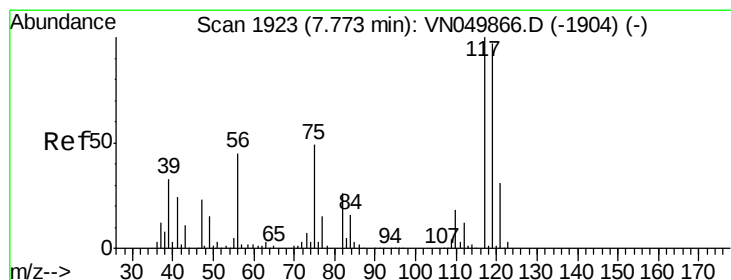
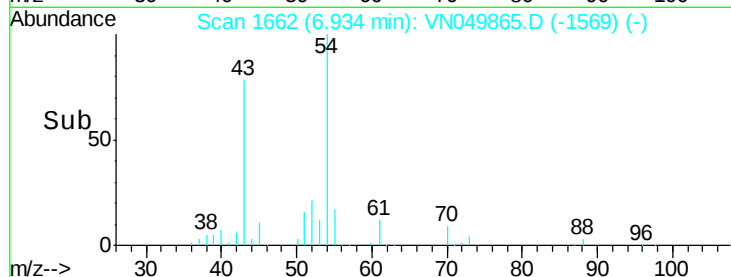
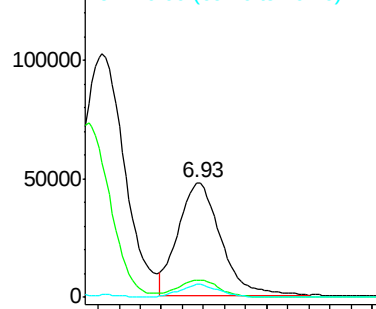
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.7	17.5
70	9.8	8.4	12.6

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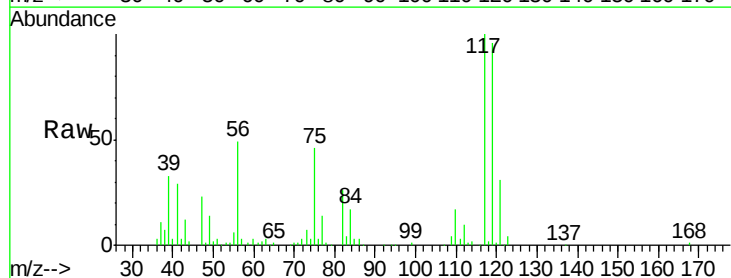


Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-1650) (-)

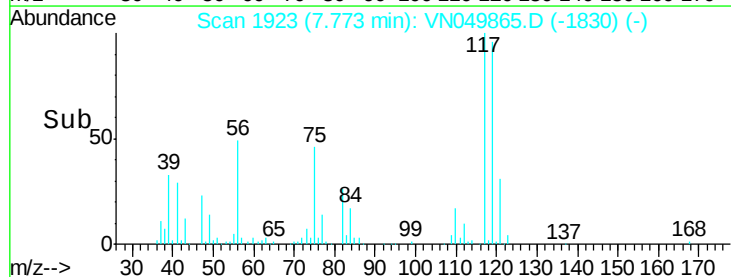
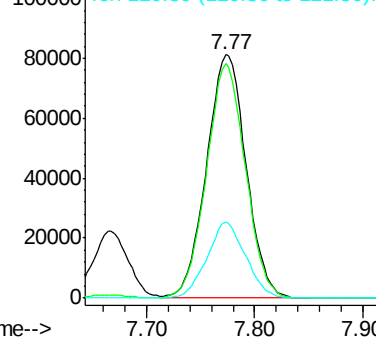


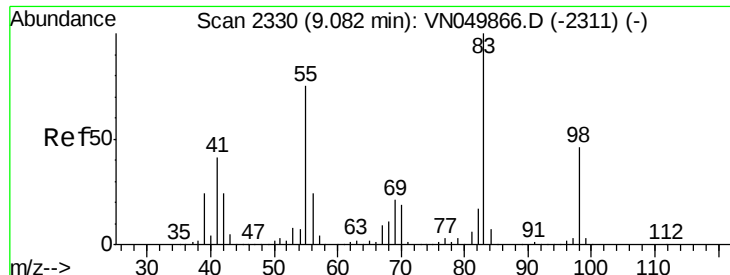
#38
Carbon Tetrachloride
Concen: 21.52 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.2	115.8
121	31.3	25.0	37.6



Abundance Ion 116.80 (116.50 to 117.50): VN049866.D (-1904) (-)





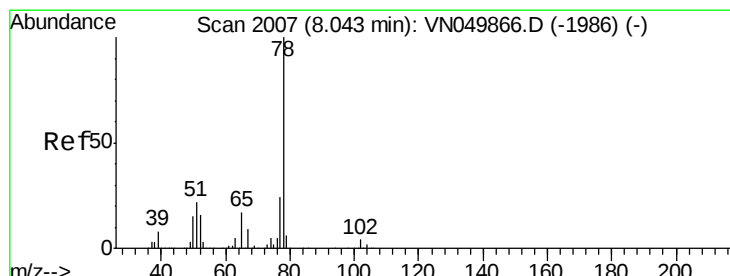
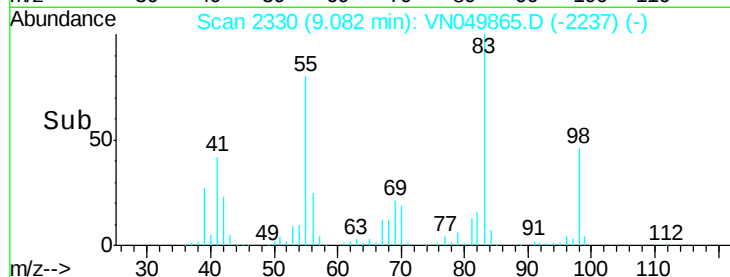
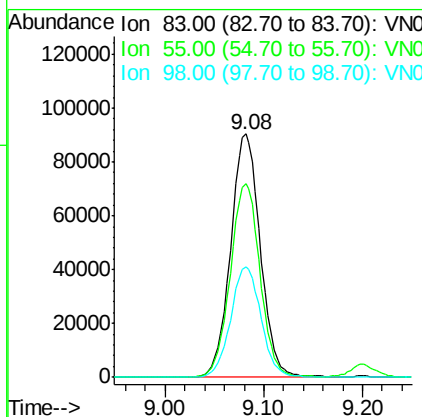
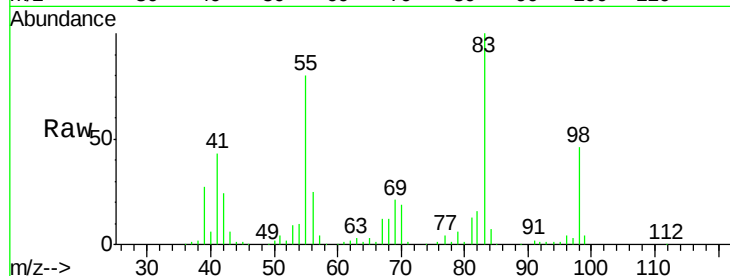
#39
Methylvlcvclohexane
Concen: 20.07 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	189251
Ion Ratio	100	Lower	Upper
83	100		
55	79.6	59.7	89.5
98	45.6	36.5	54.7

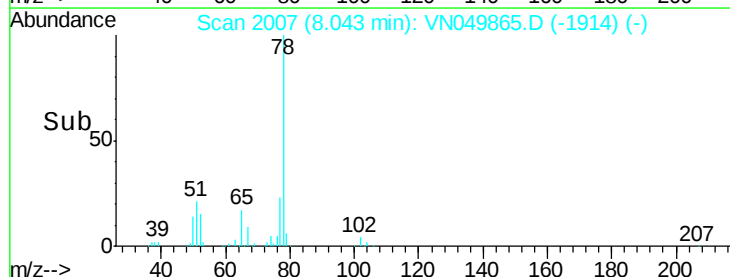
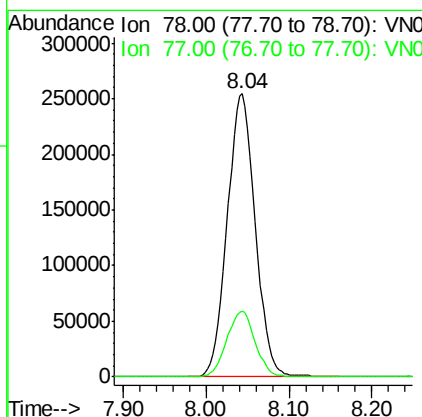
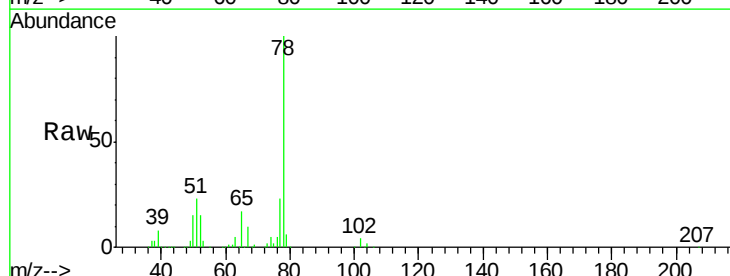
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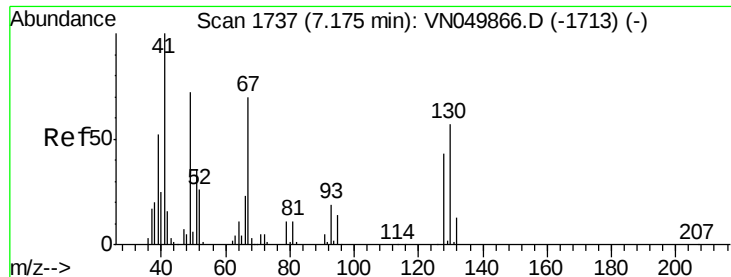
MMDadoda
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#40
Benzene
Concen: 21.54 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	78	Resp	597813
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.0	28.4





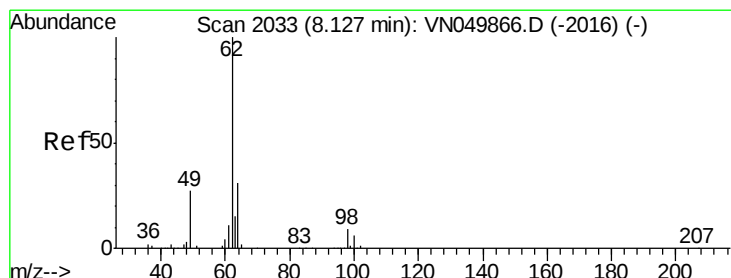
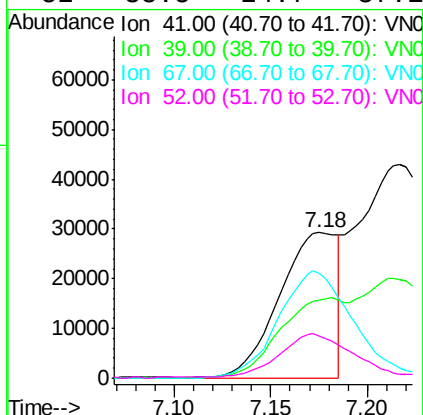
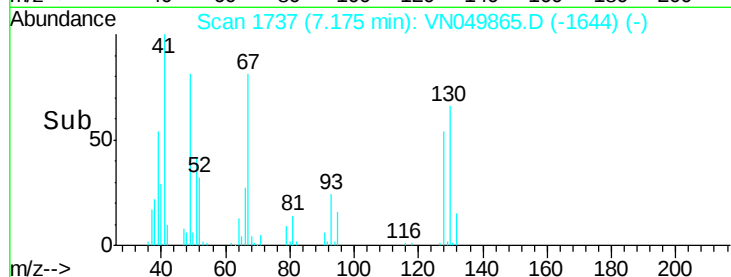
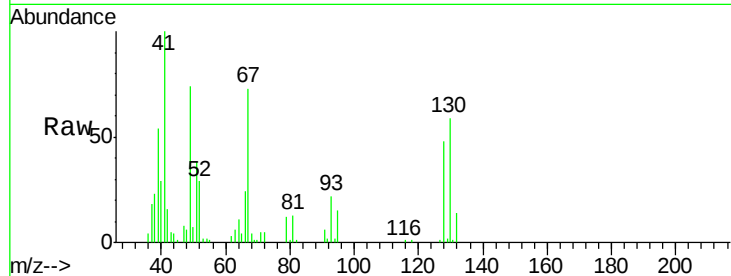
#41
Methacrylonitrile
Concen: 17.47 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.9	45.4	68.2	
67	95.8	65.4	98.0	
52	38.5	24.7	37.1#	

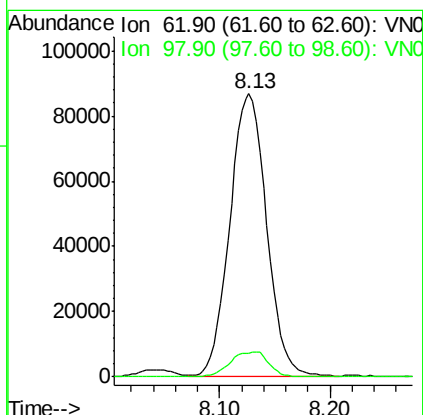
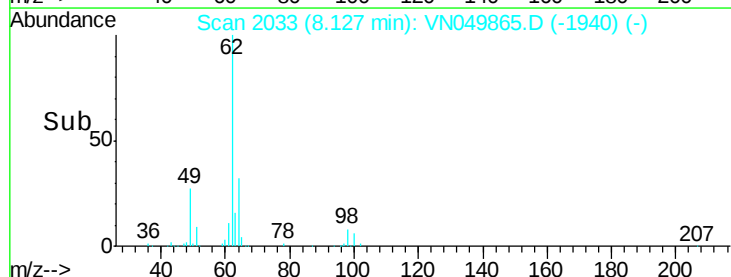
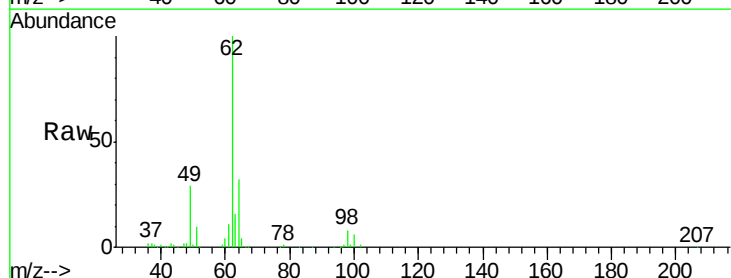
Manual Integrations
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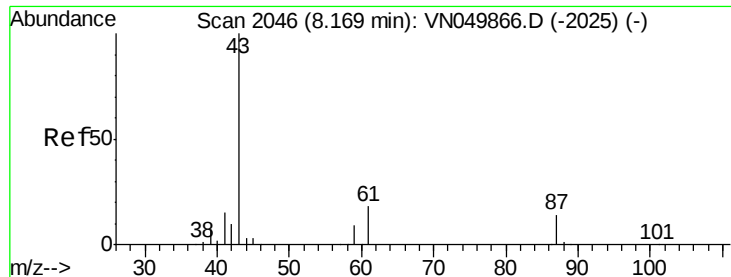
MMDadoda
7/19/2018 4:28:54 PM



#42
1,2-Dichloroethane
Concen: 21.14 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.0	





#43

Isopropyl Acetate

Concen: 20.96 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

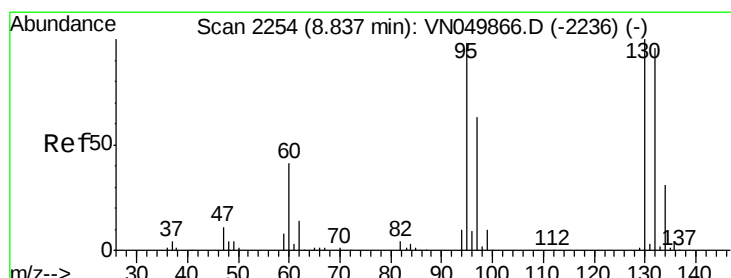
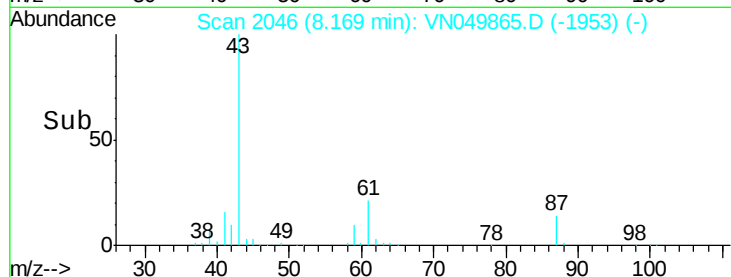
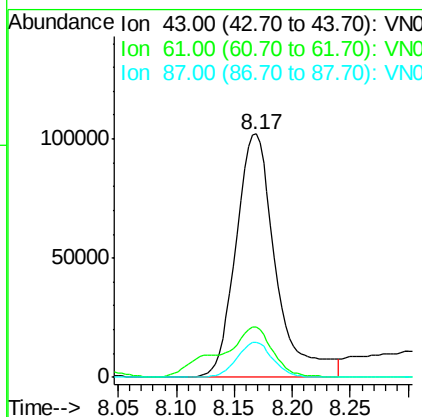
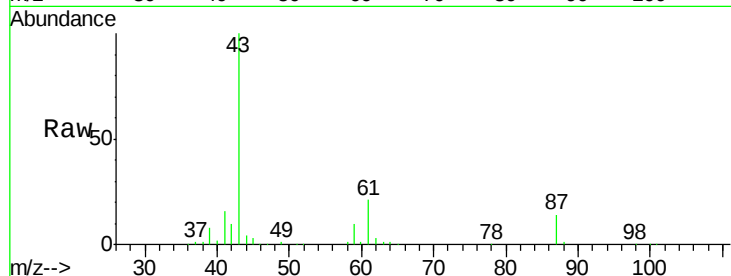
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	243434
Ion	Ratio	Lower	Upper
43	100		
61	26.9	14.9	22.3#
87	13.0	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 21.41 ug/l

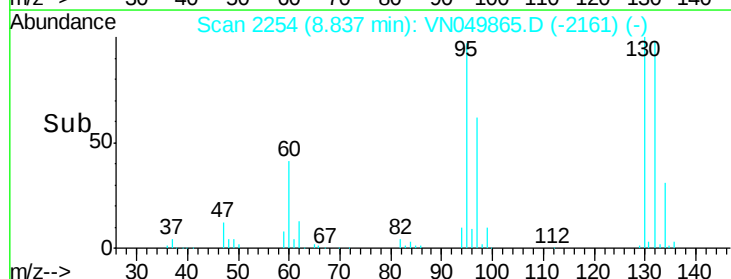
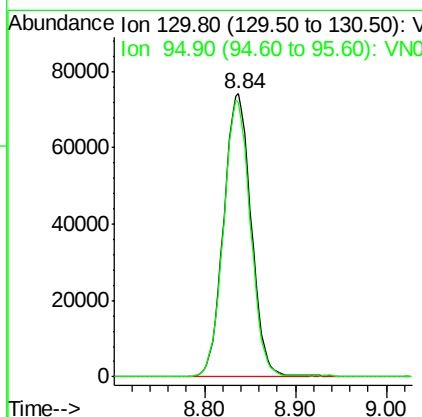
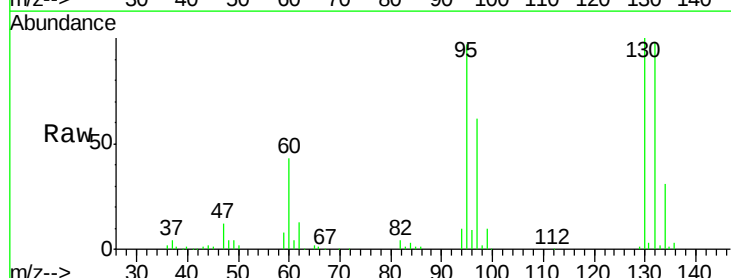
RT: 8.84 min Scan# 2254

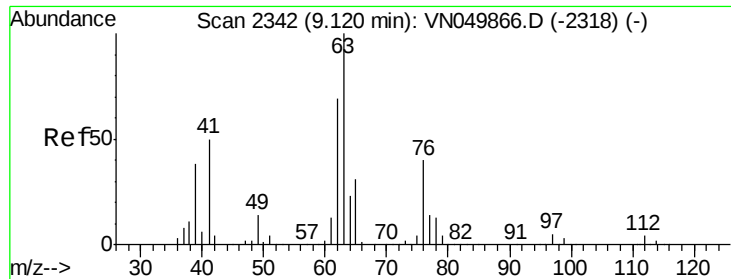
Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Tgt Ion:	130	Resp:	156279
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	192.8





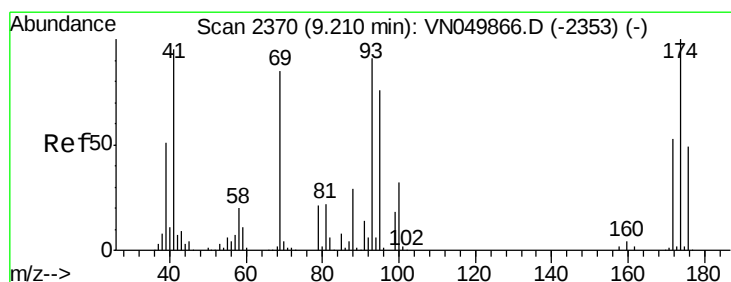
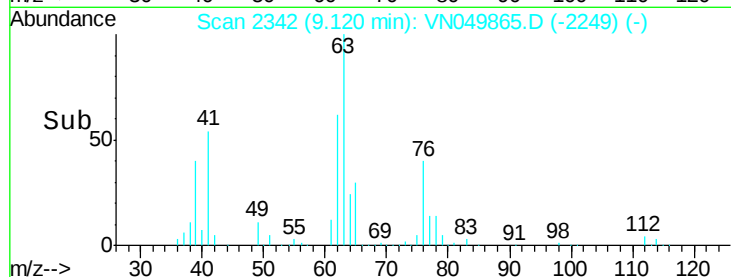
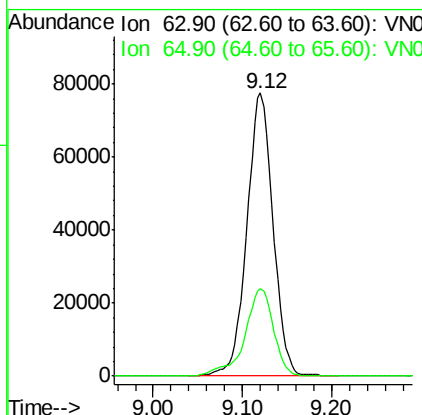
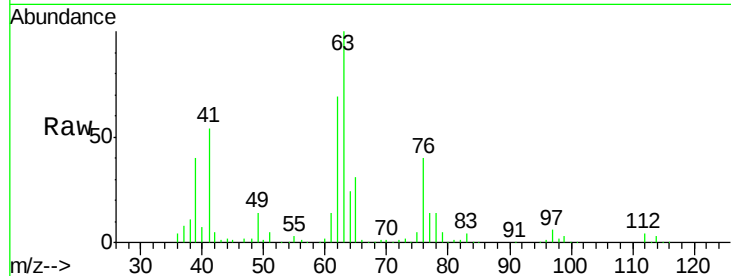
#45
 1,2-Dichloropropane
 Concen: 21.46 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 158608
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

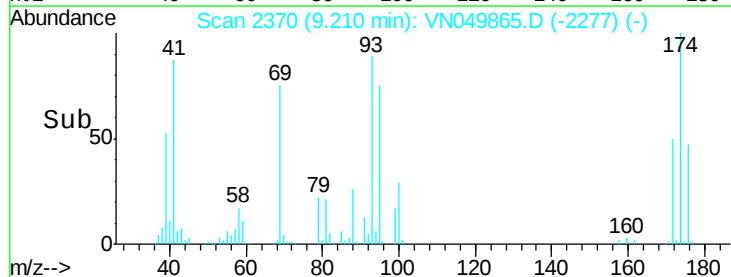
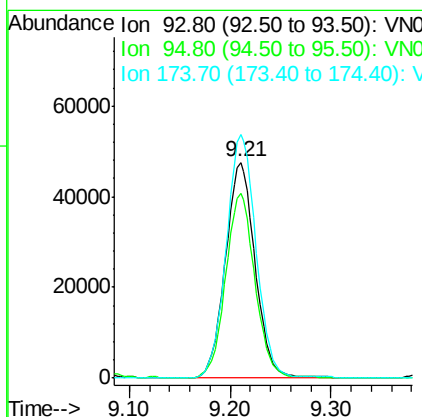
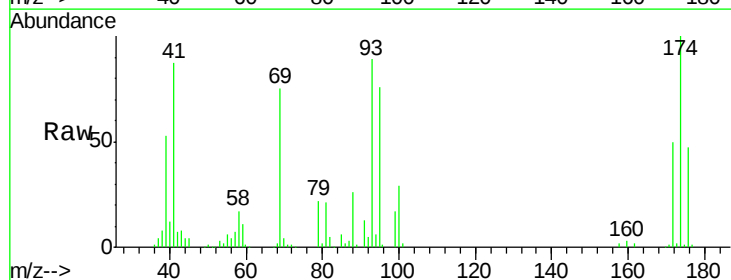
Manual Integrations
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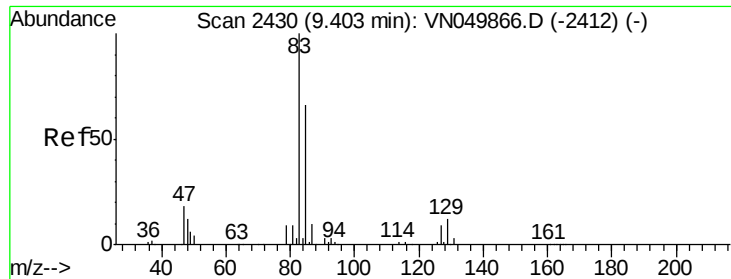
MMDadoda
 7/19/2018 4:28:54 PM



#46
 Dibromomethane
 Concen: 20.71 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion: 93 Resp: 97687
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.9 101.9
 174 113.5 89.4 134.0





#47

Bromodichloromethane

Concen: 21.78 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

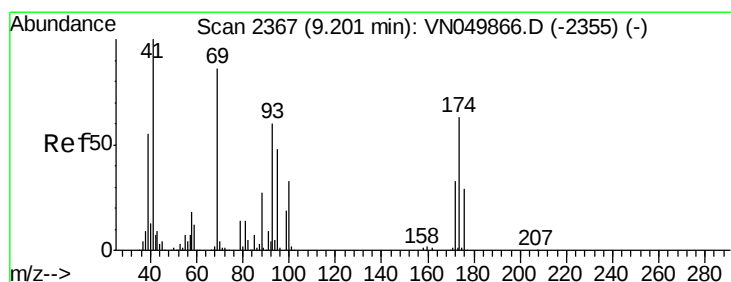
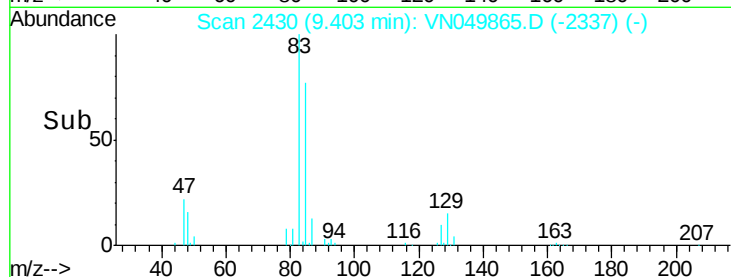
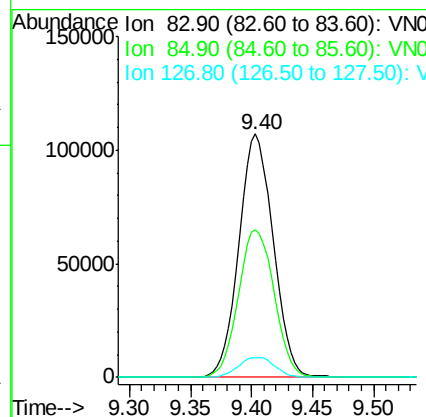
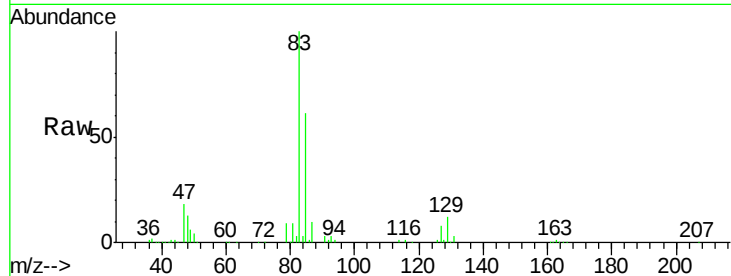
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	208755
Ion Ratio	Lower	Upper	
83	100		
85	60.7	50.5	75.7
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.88 ug/l

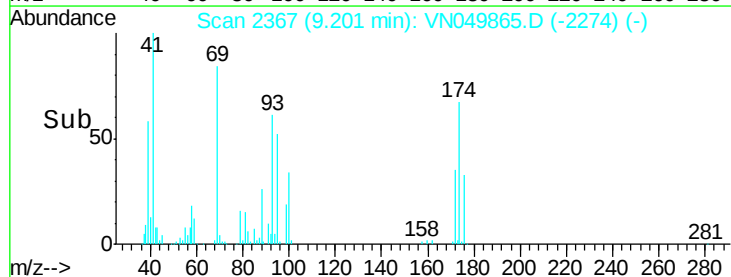
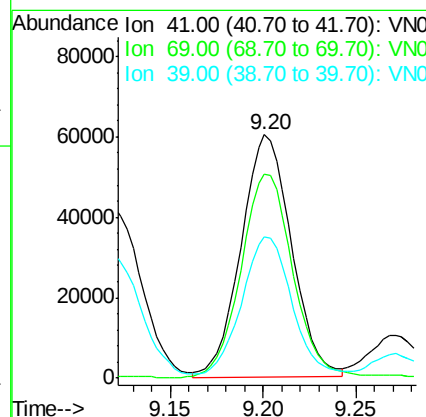
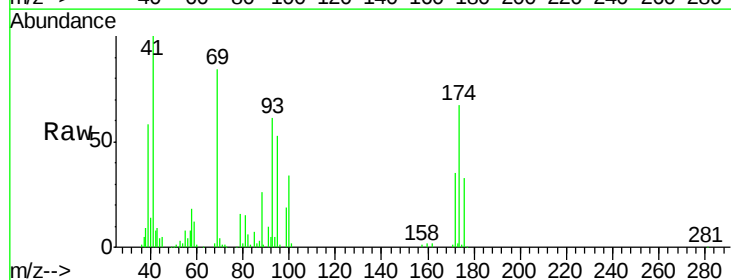
RT: 9.20 min Scan# 2367

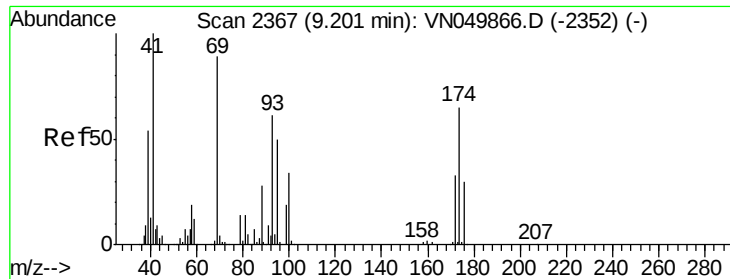
Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Tgt Ion:	41	Resp:	114529
Ion Ratio	Lower	Upper	
41	100		
69	87.8	71.5	107.3
39	58.4	44.7	67.1





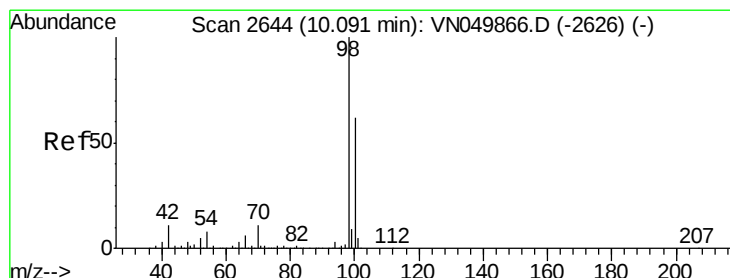
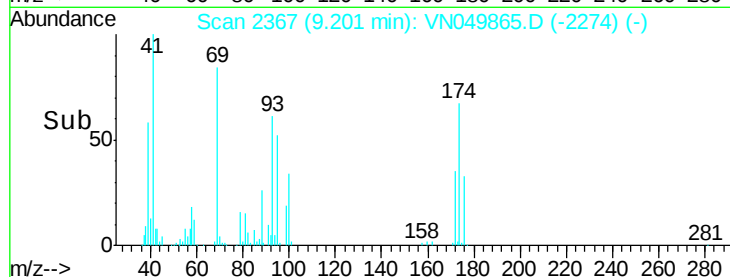
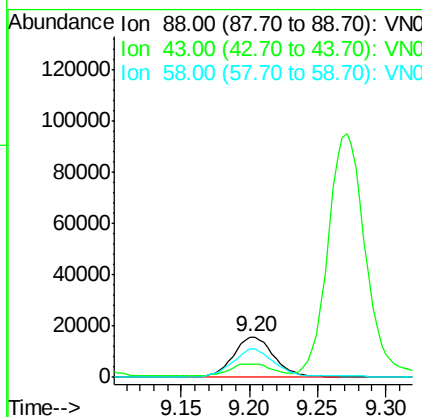
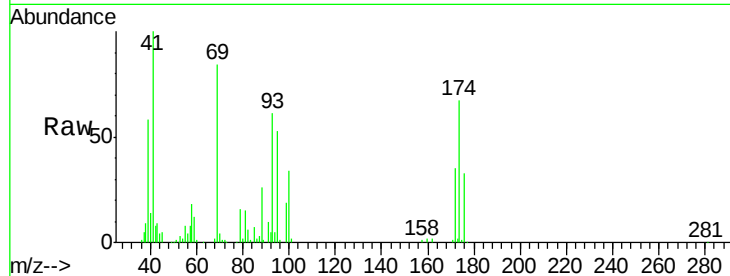
#49
1,4-Dioxane
Concen: 376.30 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	32856
Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.1	37.7
58	71.6	52.5	78.7

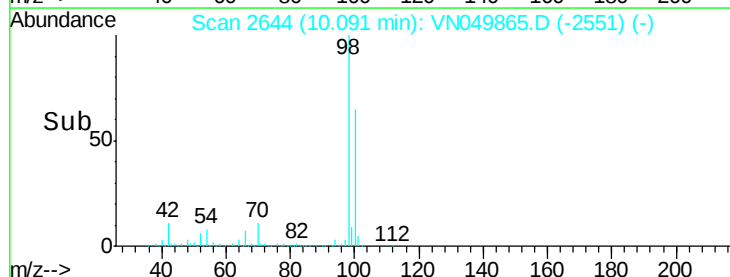
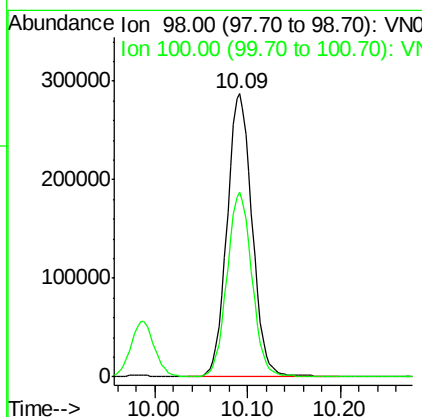
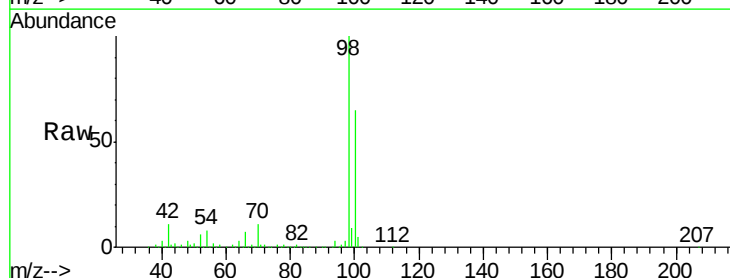
Manual Integrations
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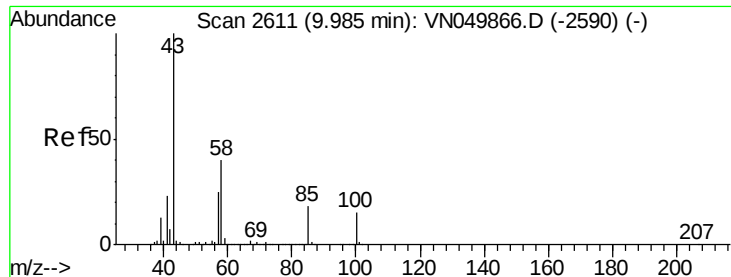
MMDadoda
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#50
Toluene-d8
Concen: 21.40 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	98	Resp	539308
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





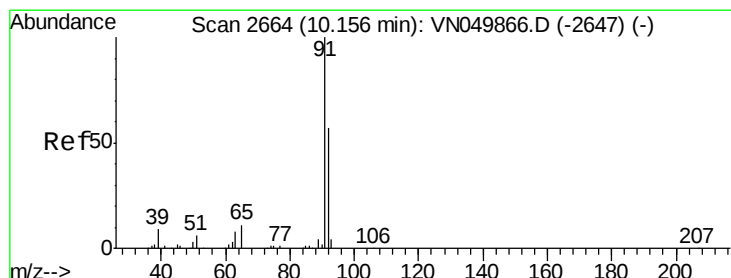
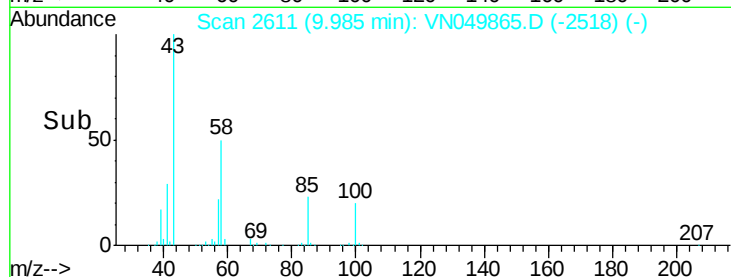
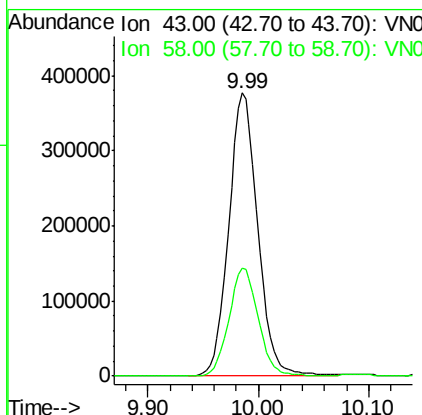
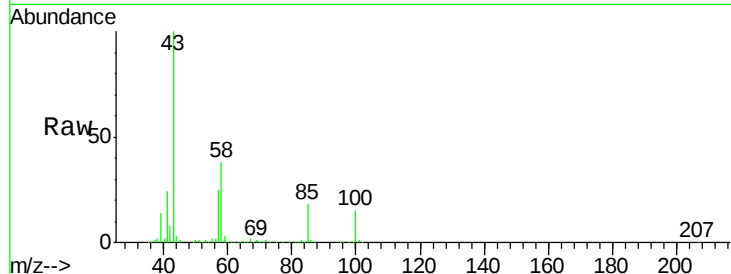
#51
4-Methyl-2-Pentanone
Concen: 100.33 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.8	47.8

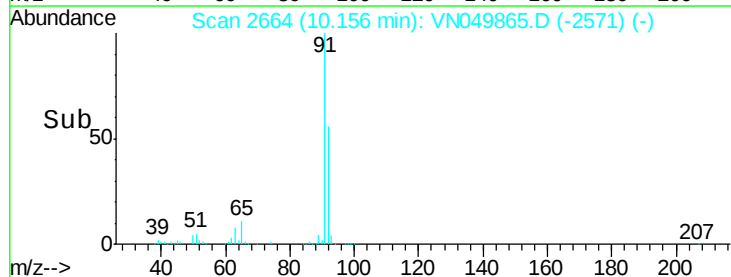
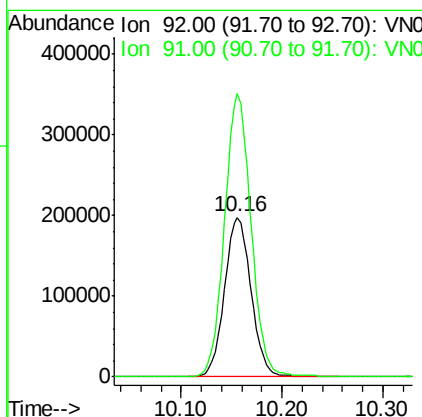
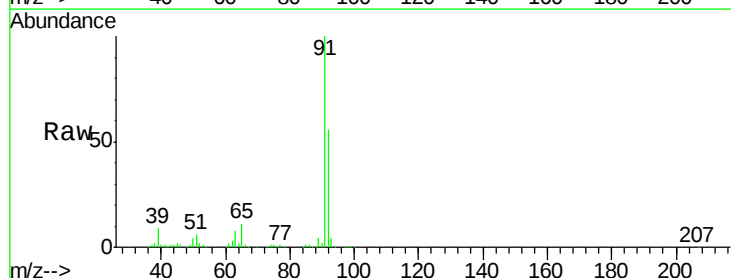
Manual Integrations
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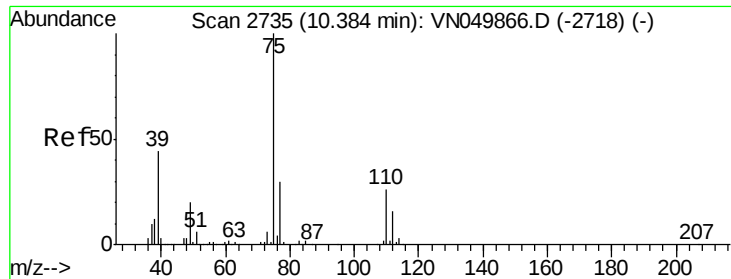
MMDadoda
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#52
Toluene
Concen: 21.96 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.4	140.1	210.1





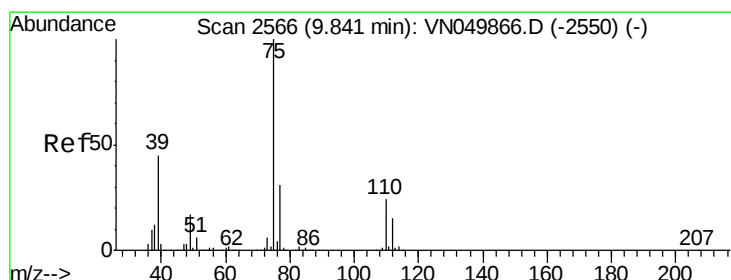
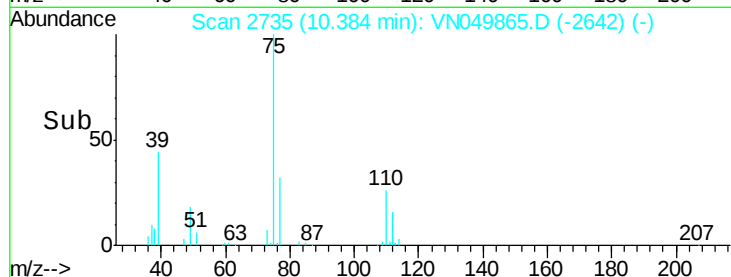
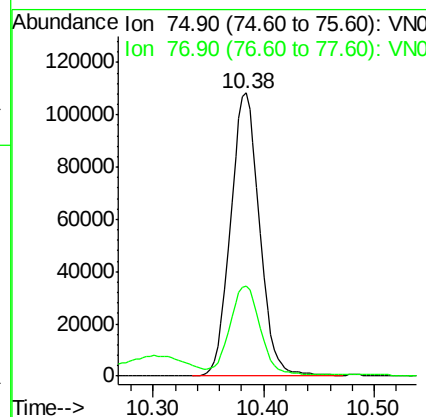
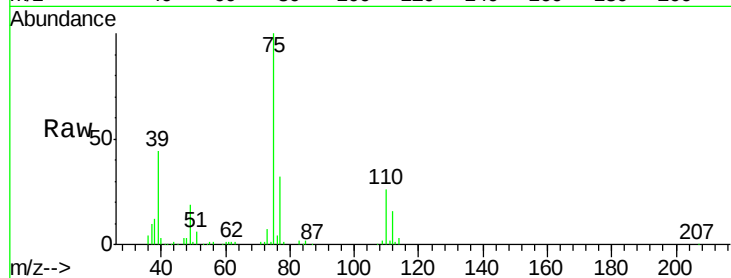
#53
t-1,3-Dichloropropene
Concen: 21.11 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8

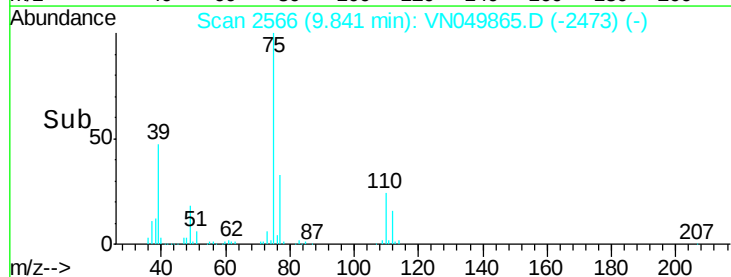
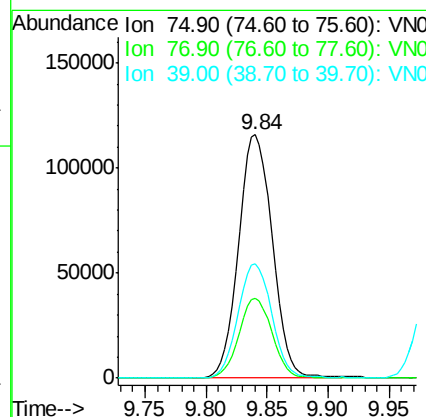
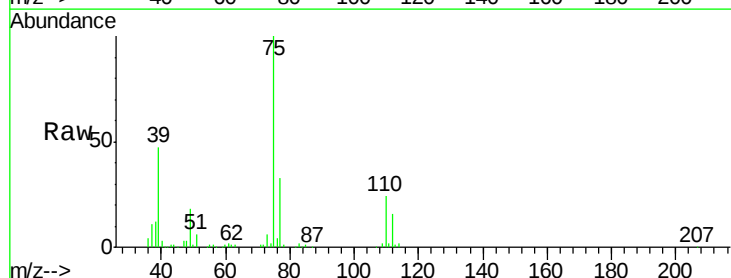
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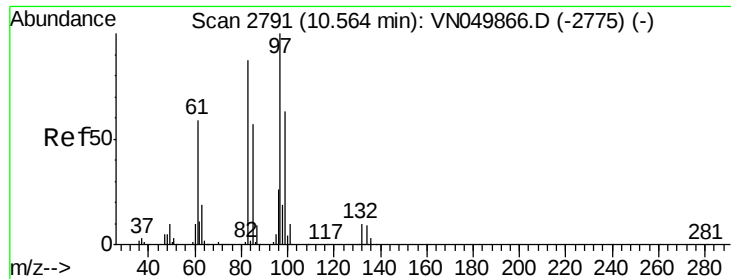
MMDadoda
7/19/2018 4:28:54 PM



#54
cis-1,3-Dichloropropene
Concen: 21.22 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.3	37.9
39	46.8	35.5	53.3





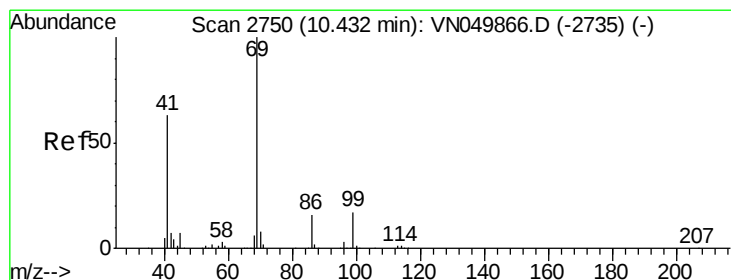
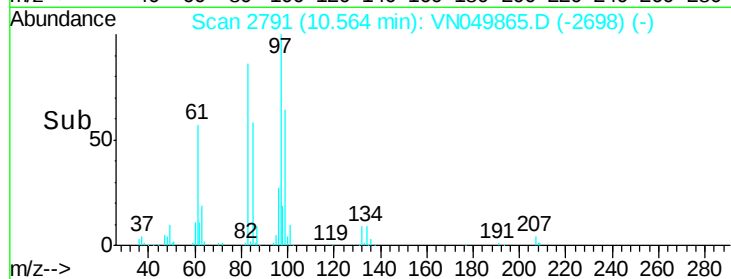
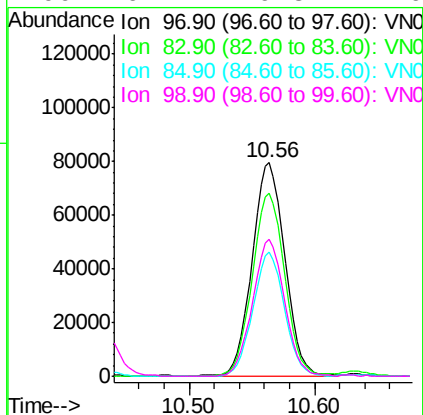
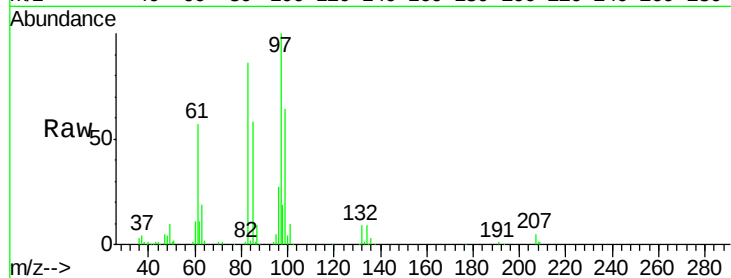
#55
 1,1,2-Trichloroethane
 Concen: 21.27 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		145168		
83	85.6	69.0	103.6		
85	58.0	44.9	67.3		
99	64.2	49.8	74.6		

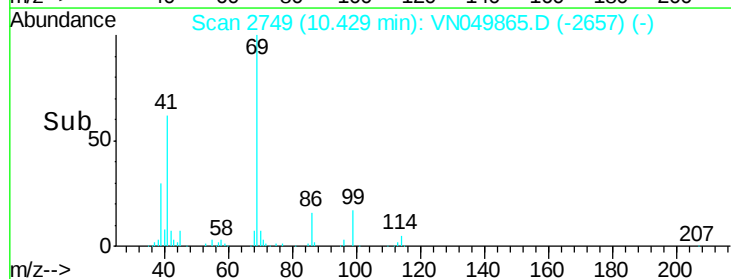
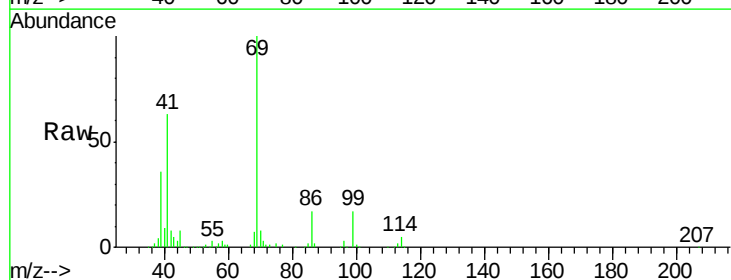
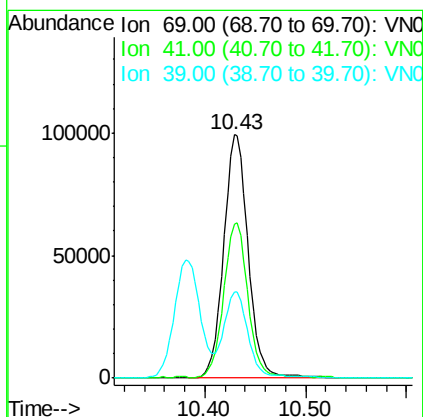
Manual Integrations
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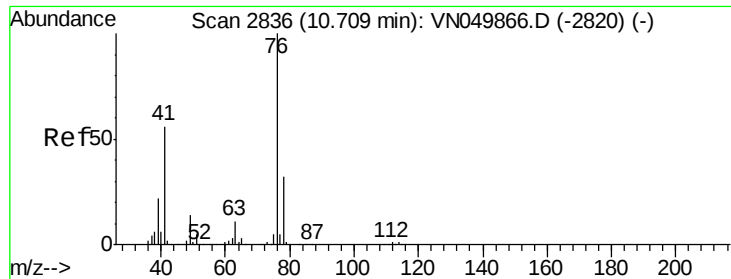
MMDadoda
 7/19/2018 4:28:54 PM



#56
 Ethyl methacrylate
 Concen: 20.44 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168946		
41	62.6	51.6	77.4		
39	33.4	25.8	38.8		





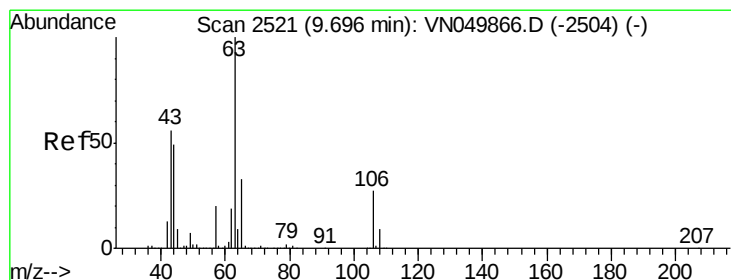
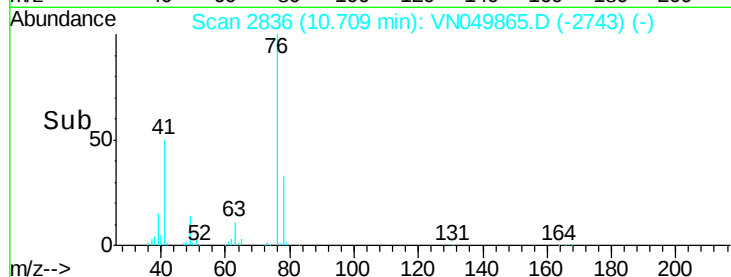
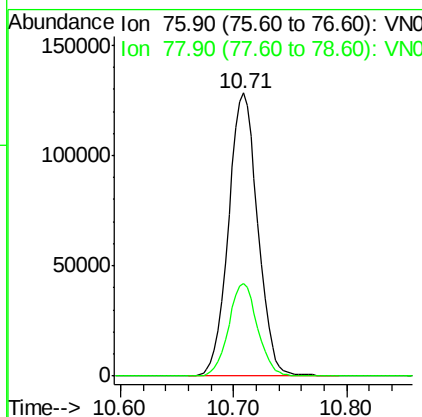
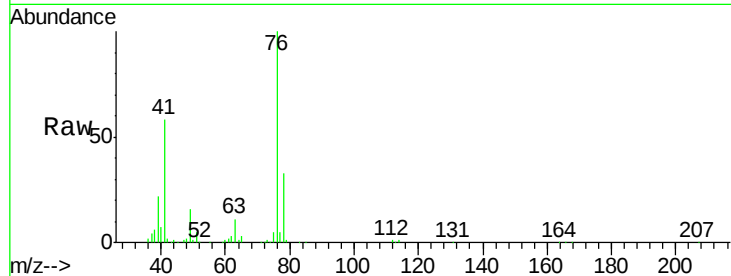
#57
 1,3-Dichloropropane
 Concen: 20.92 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

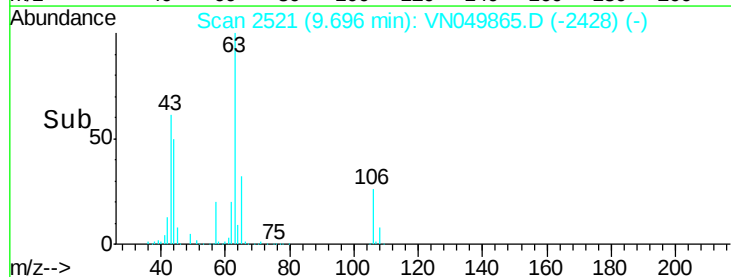
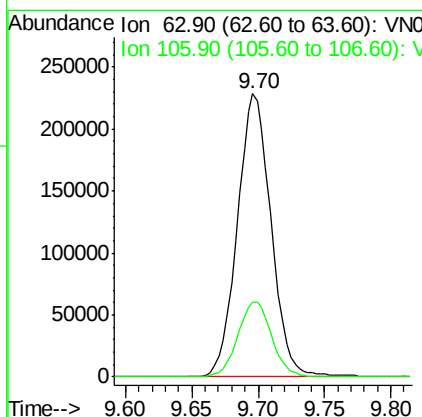
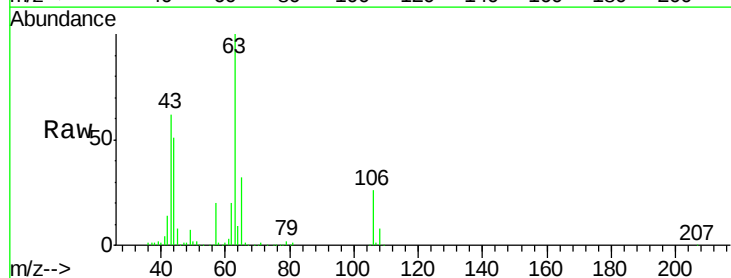
Manual Integrations
 APPROVED

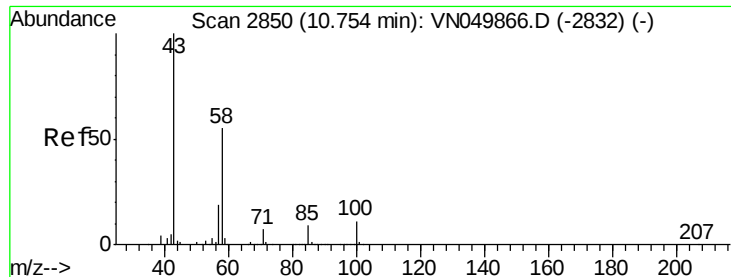
MMDadoda
 7/19/2018 4:28:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.12 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.8	32.8





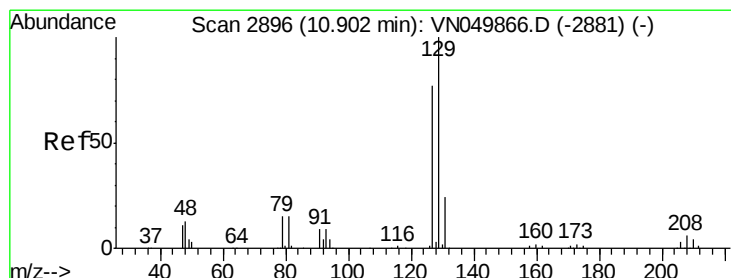
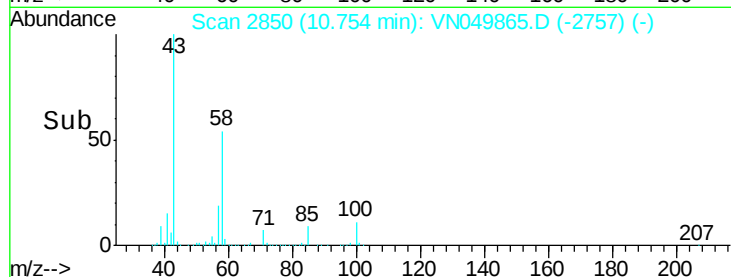
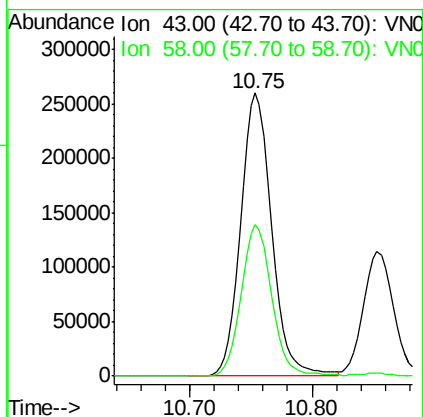
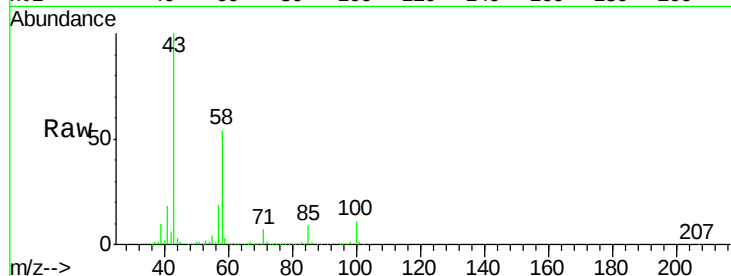
#59
2-Hexanone
Concen: 96.46 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	451839
Ion Ratio	100	Lower	Upper
43	100		
58	53.1	27.8	83.4

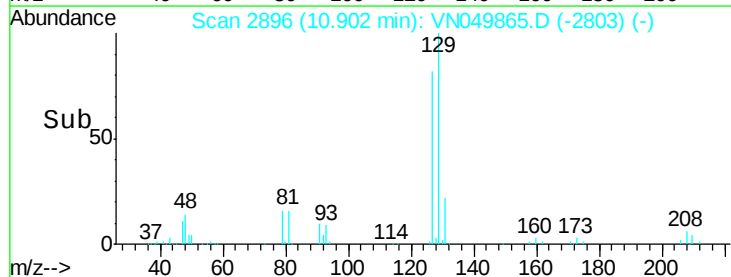
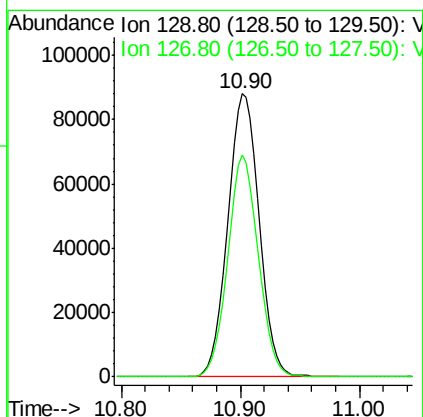
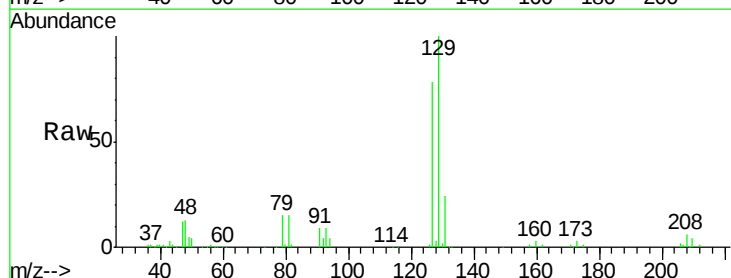
Manual Integrations
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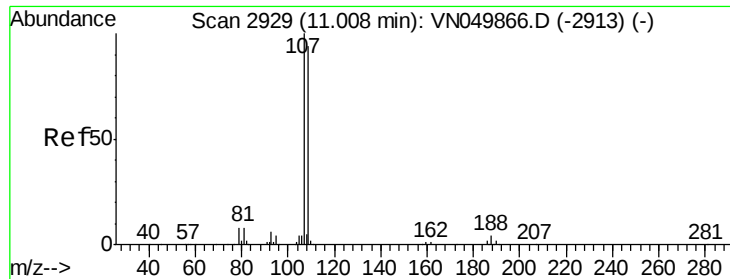
MMDadoda
7/19/2018 4:28:54 PM



#60
Dibromochloromethane
Concen: 21.13 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	129	Resp	160563
Ion Ratio	100	Lower	Upper
129	100		
127	76.3	38.3	114.9





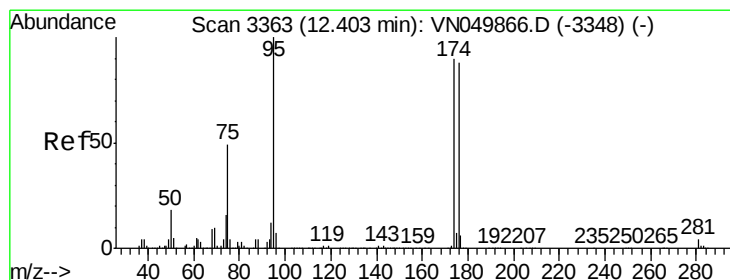
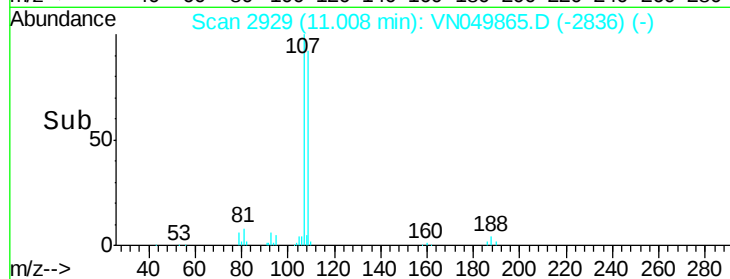
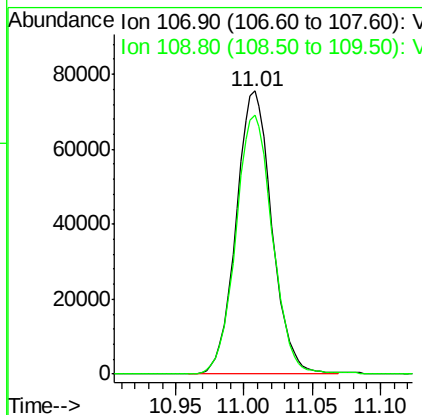
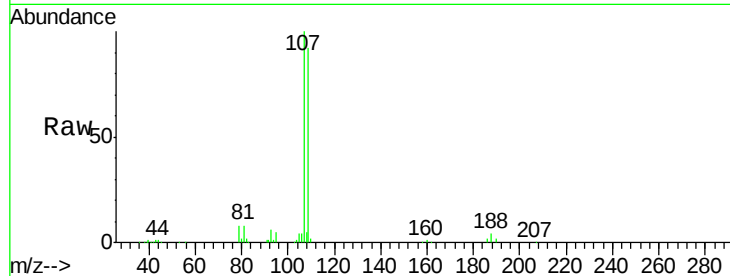
#61
 1,2-Dibromoethane
 Concen: 20.55 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6

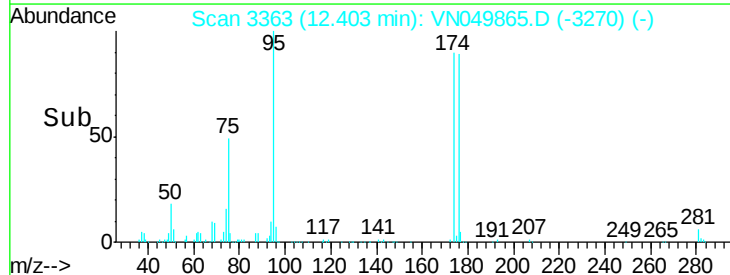
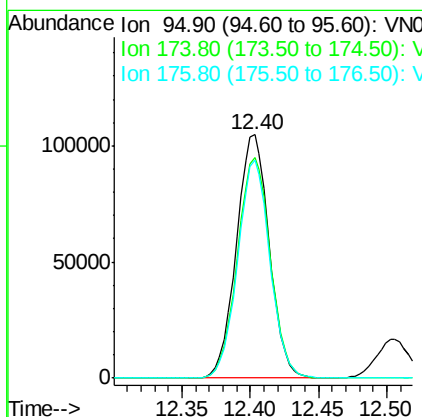
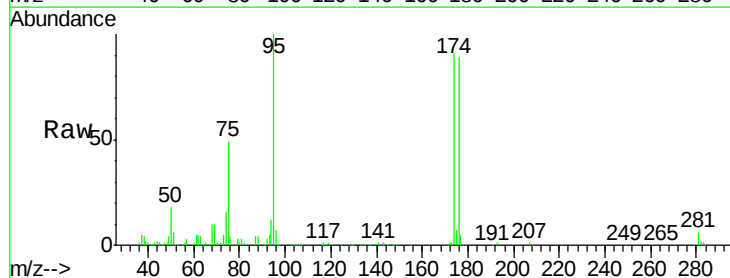
Manual Integrations
 APPROVED

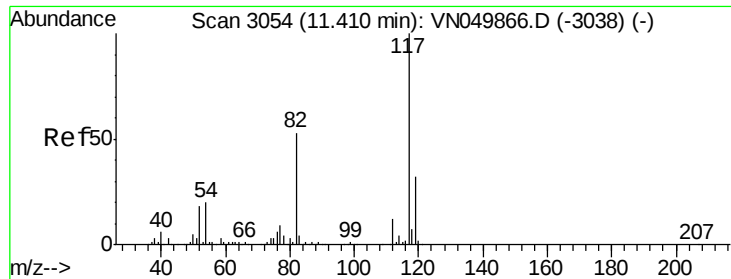
MMDadoda
 7/19/2018 4:28:54 PM



#62
 4-Bromofluorobenzene
 Concen: 20.76 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.6
176	87.6	0.0	174.0





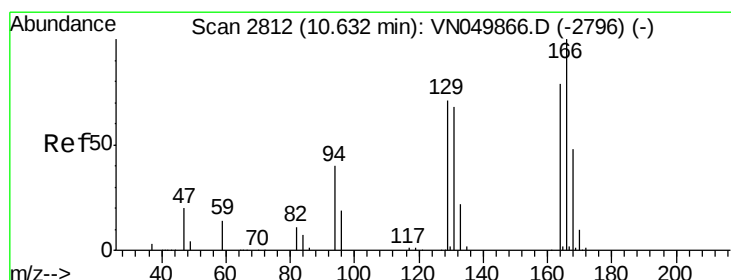
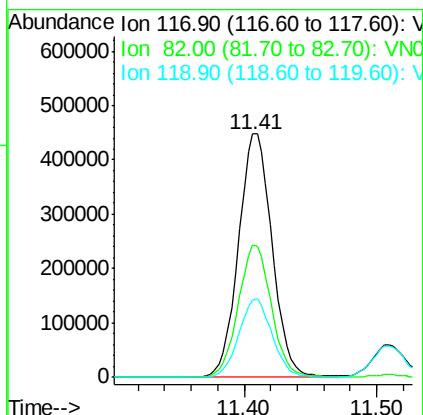
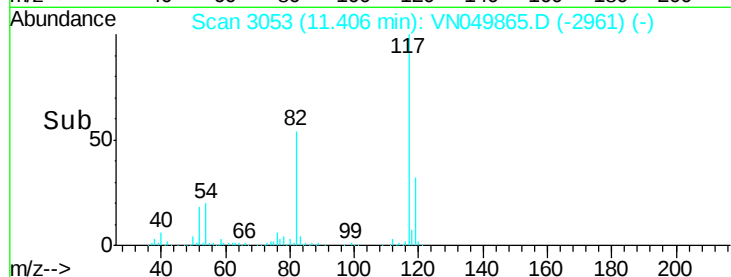
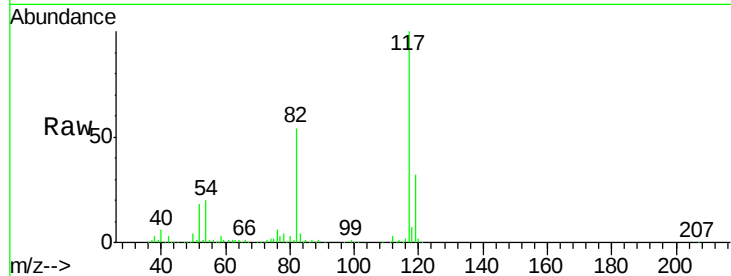
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.9	62.9
119	31.9	25.4	38.2

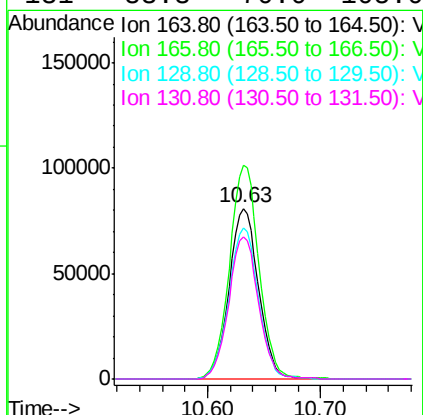
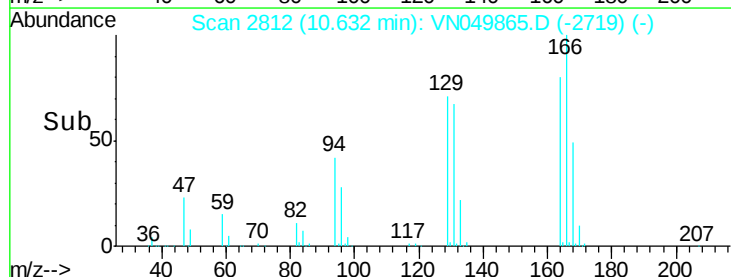
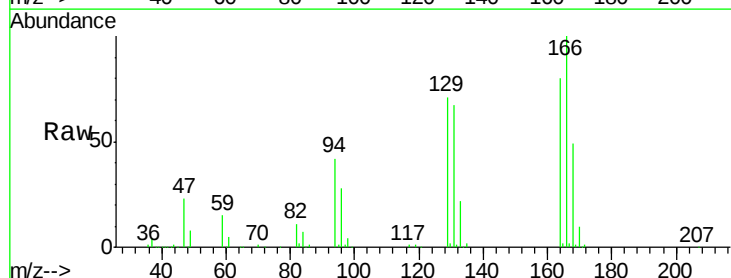
Manual Integrations
APPROVED

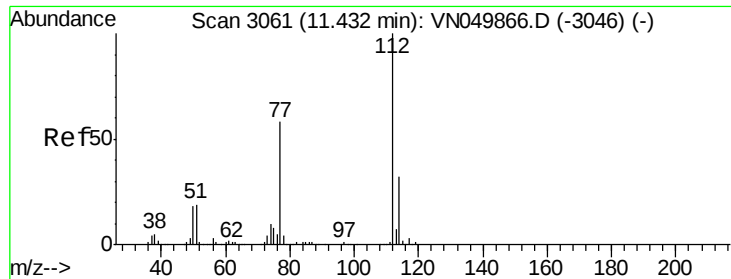
MMDadoda
7/19/2018 4:28:54 PM



#64
Tetrachloroethene
Concen: 21.89 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.8	152.6
129	88.6	72.8	109.2
131	83.3	70.0	105.0





#65

Chlorobenzene

Concen: 21.52 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 401784

Ion Ratio Lower Upper

112 100

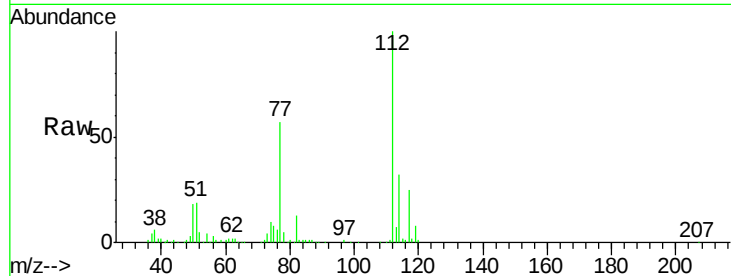
114 32.0 25.4 38.0

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

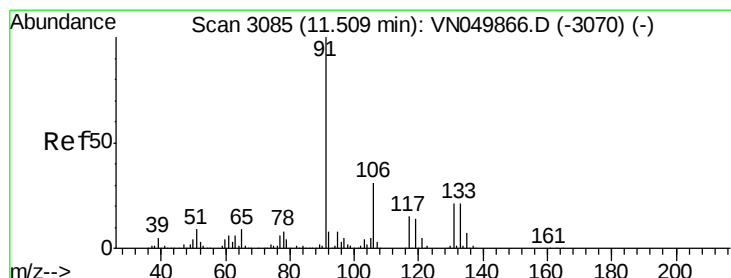
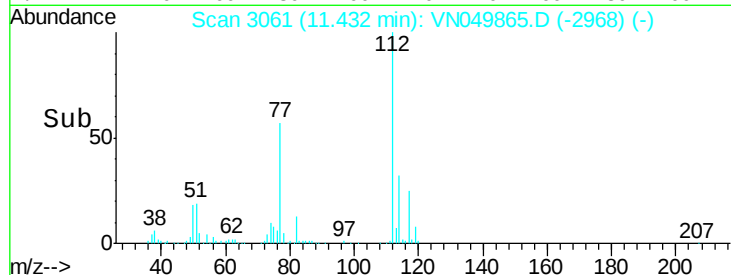
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.75 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

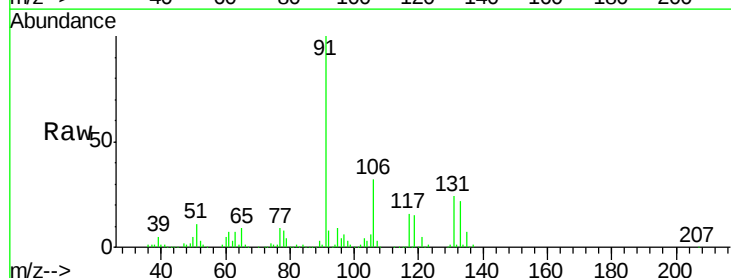
Tgt Ion:131 Resp: 155898

Ion Ratio Lower Upper

131 100

133 95.4 47.5 142.6

119 65.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

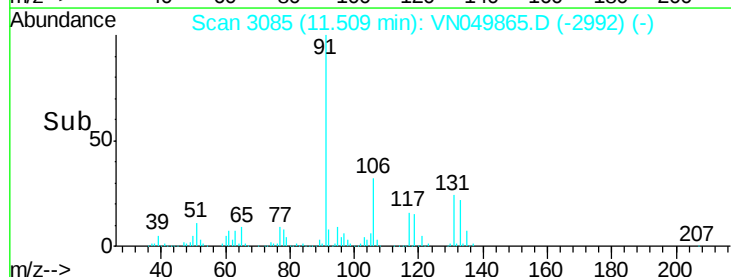
150000

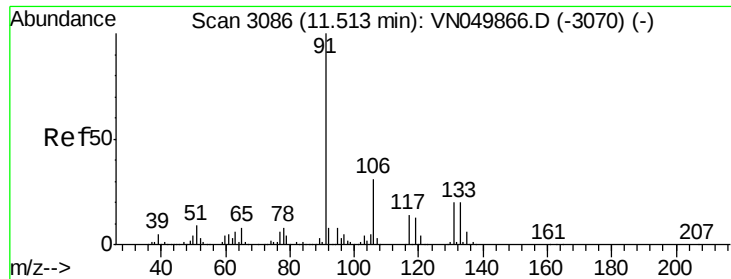
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 21.79 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 654079

Ion Ratio Lower Upper

91 100

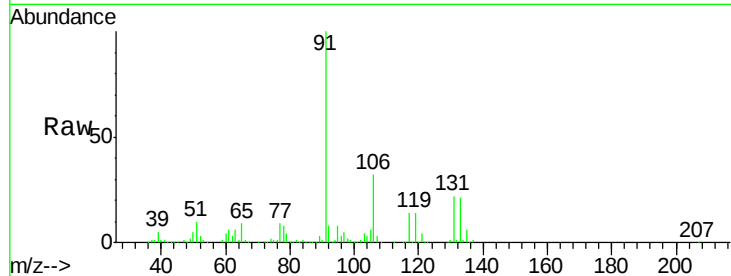
106 32.0 24.8 37.2

Manual Integrations

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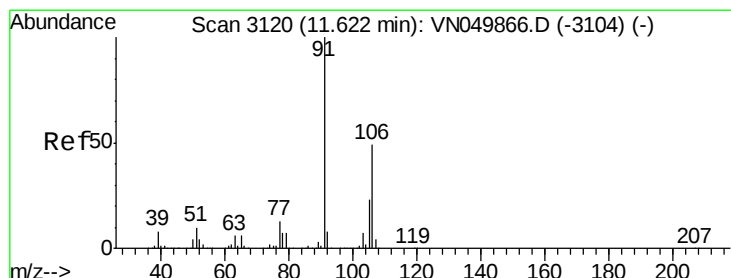
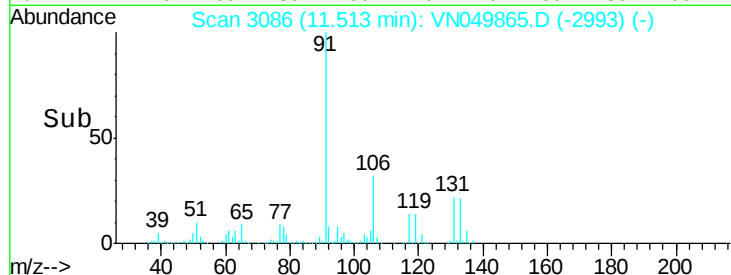
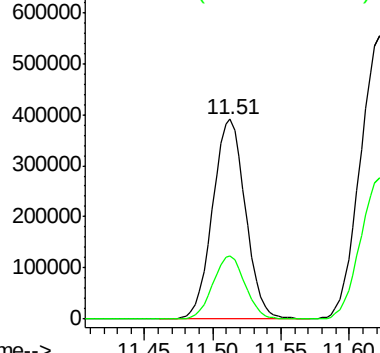
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.76 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049865.D

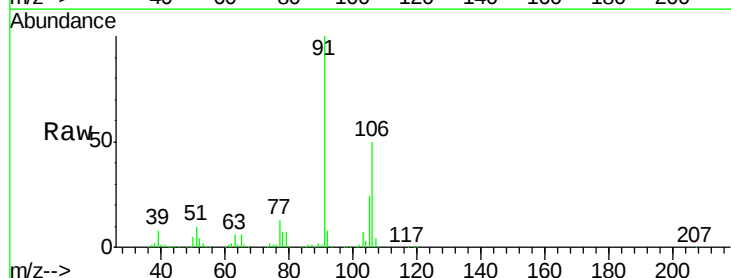
Acq: 18 Jul 2018 11:09

Tgt Ion: 106 Resp: 521117

Ion Ratio Lower Upper

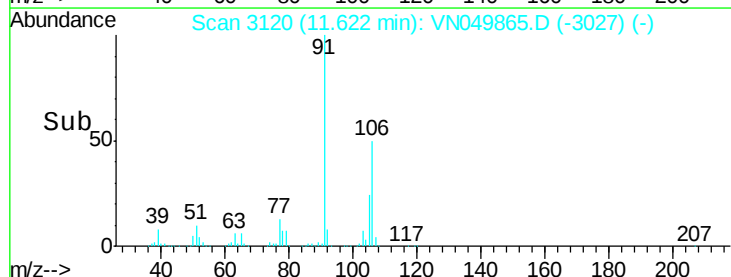
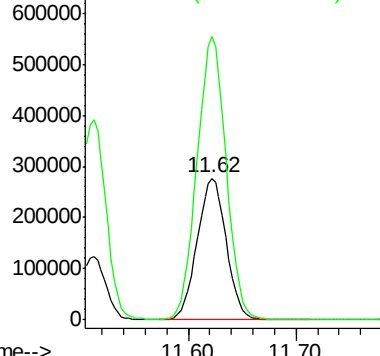
106 100

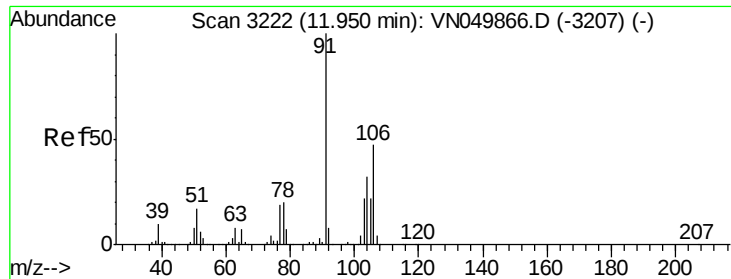
91 200.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





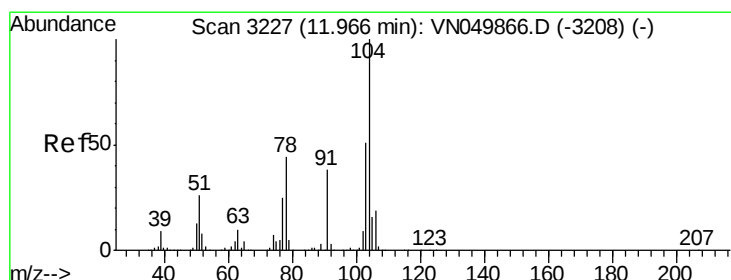
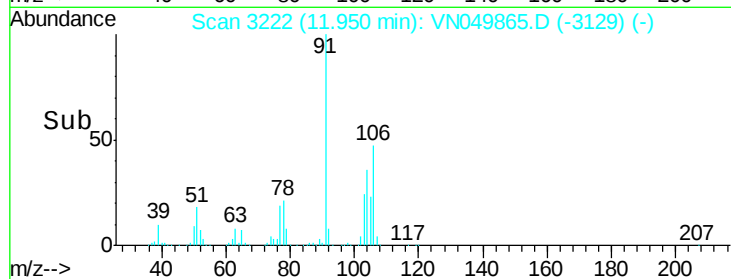
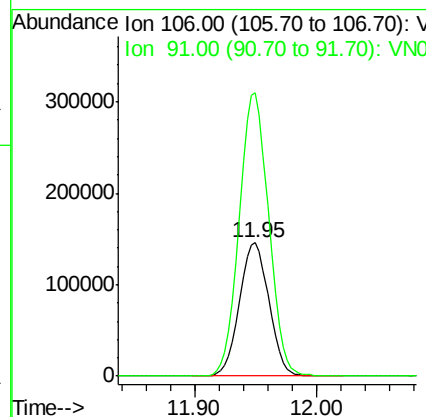
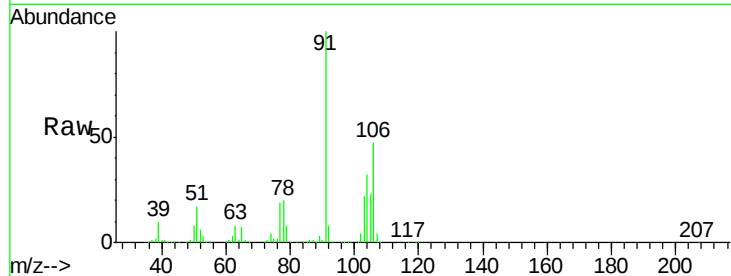
#69
o-Xylene
Concen: 22.54 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.3	108.7	326.1	

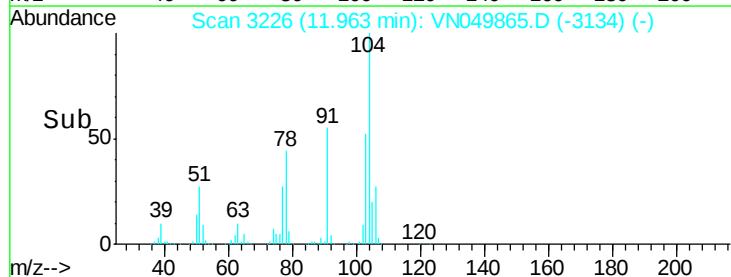
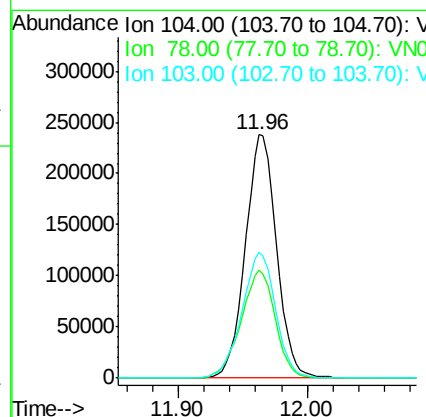
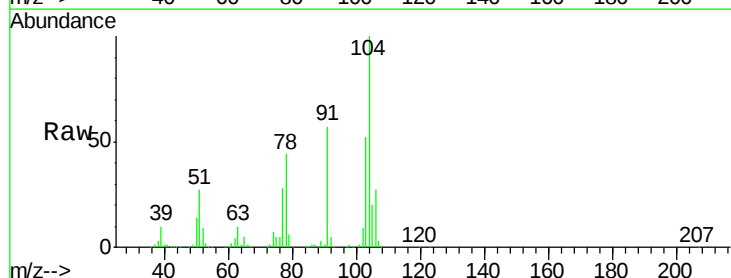
Manual Integrations
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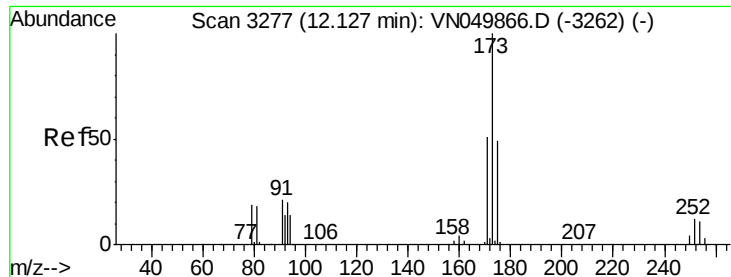
MMDadoda
7/19/2018 4:28:54 PM



#70
Styrene
Concen: 22.76 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	39.2	58.8	
103	55.8	44.6	67.0	





#71

Bromoform

Concen: 20.16 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

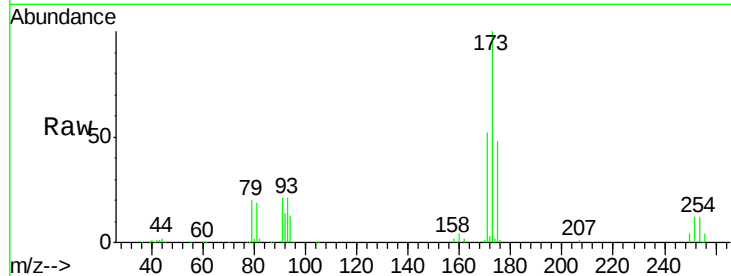
ClientSampleId :

VSTDIC020

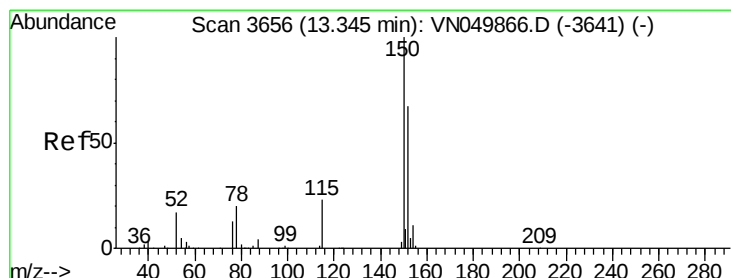
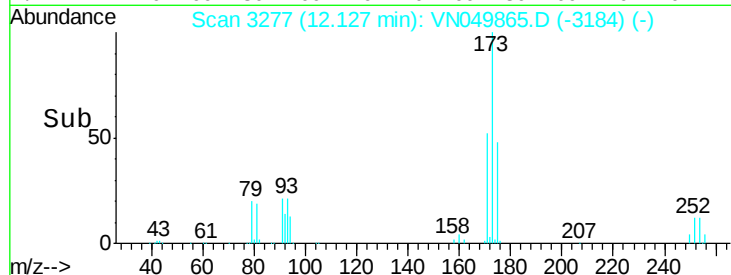
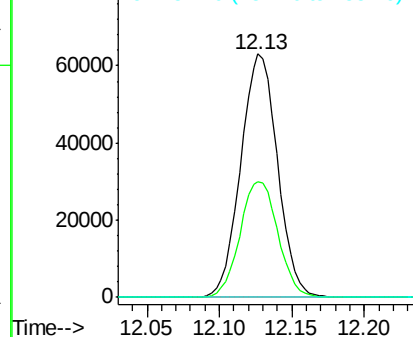
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.8
254	0.0	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

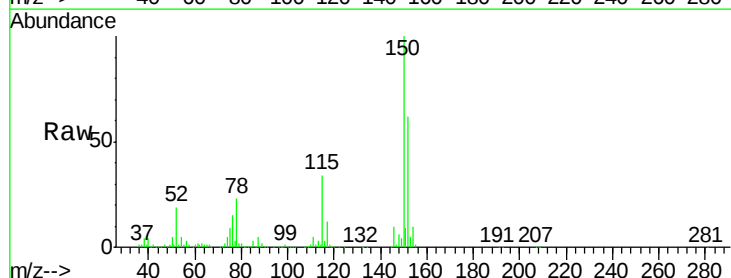
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

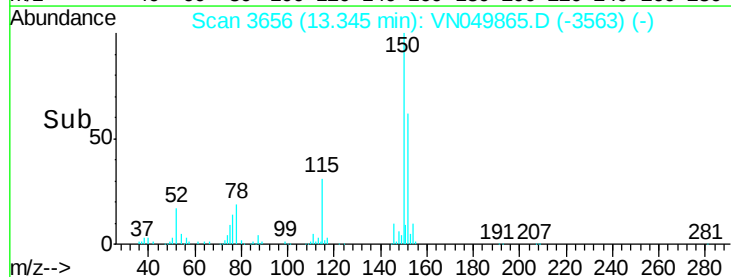
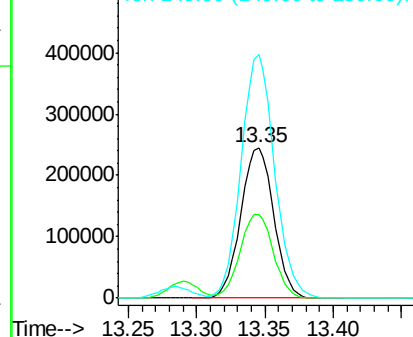
Lab File: VN049865.D

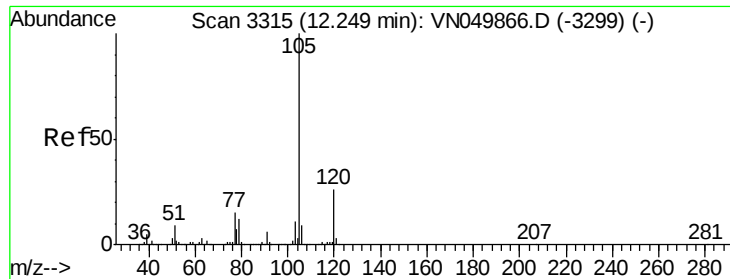
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	164.7	0.0	347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.92 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 651683

Ion Ratio Lower Upper

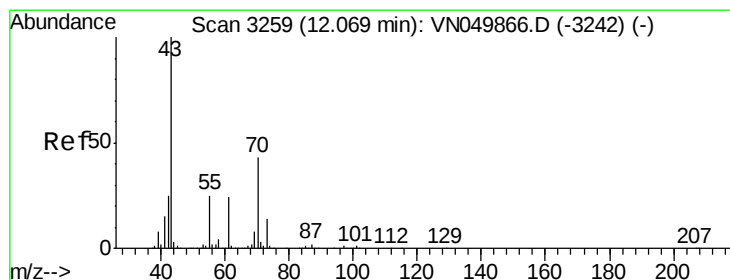
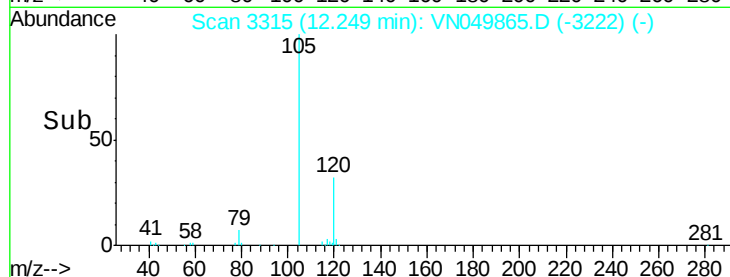
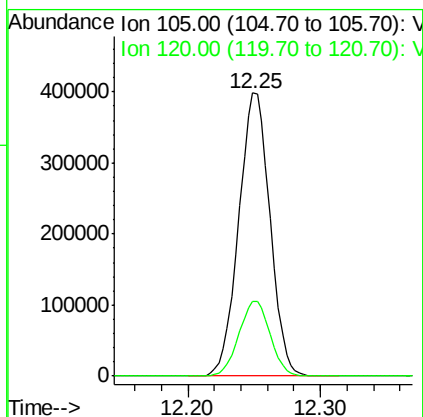
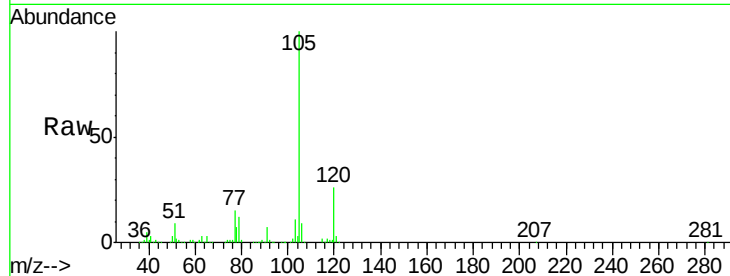
105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.89 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Tgt Ion: 43 Resp: 195400

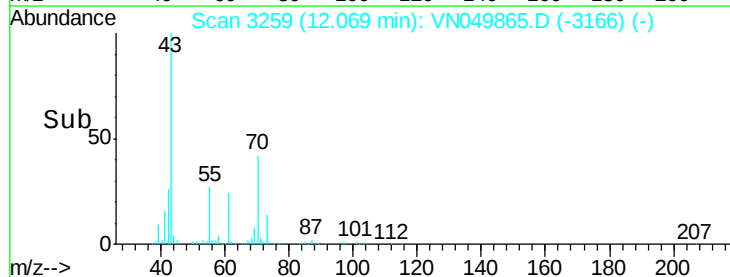
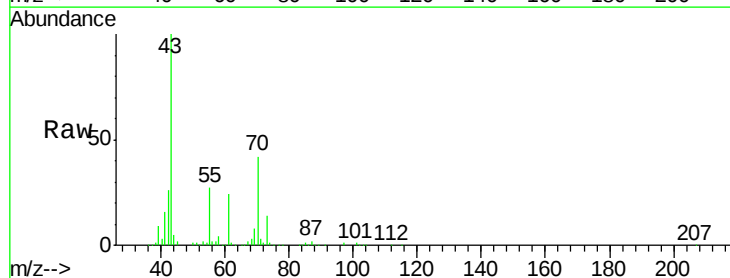
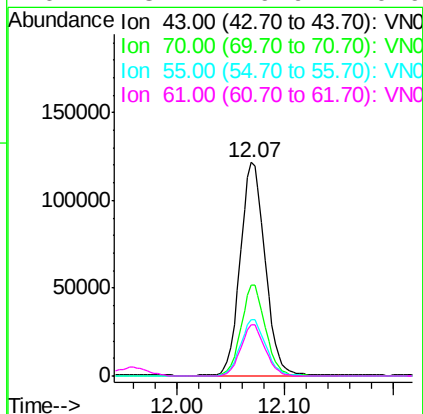
Ion Ratio Lower Upper

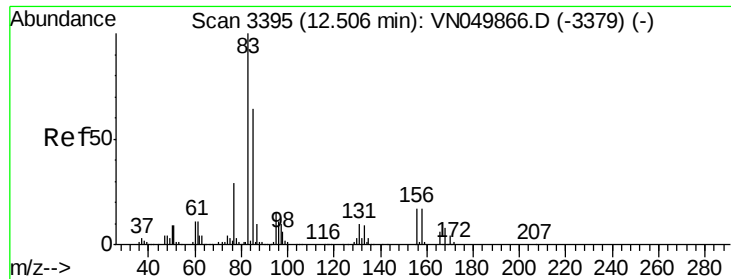
43 100

70 41.6 34.8 52.2

55 27.1 20.9 31.3

61 23.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.33 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 83 Resp: 184326
Ion Ratio Lower Upper

83 100

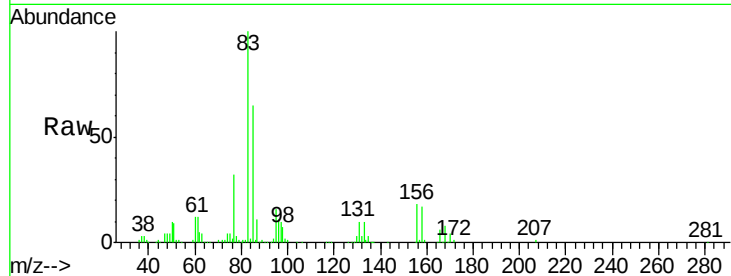
131 10.4 5.2 15.6

85 64.2 32.5 97.4

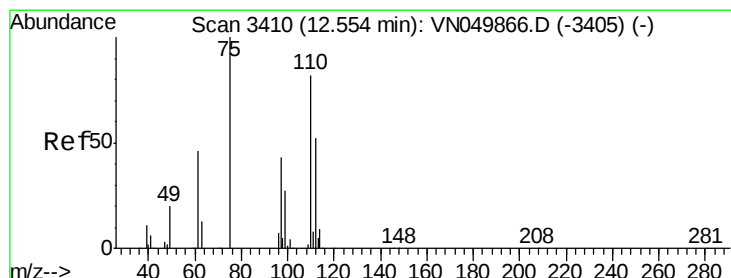
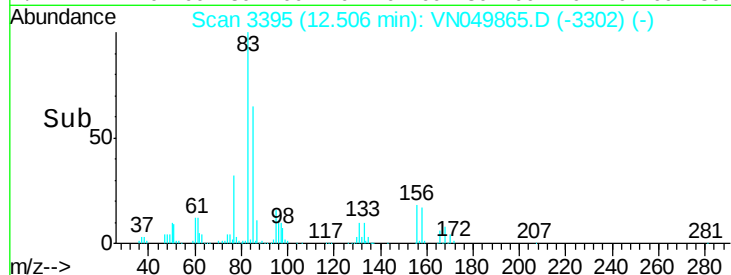
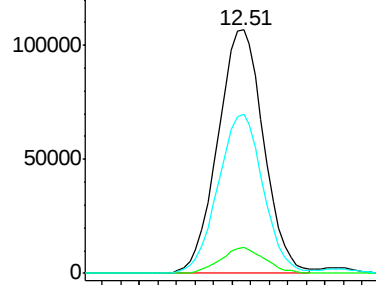
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049865.D (-3379) (-)
Ion 130.80 (130.50 to 131.50): VN049865.D (-3379) (-)
Ion 84.90 (84.60 to 85.60): VN049865.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 19.23 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

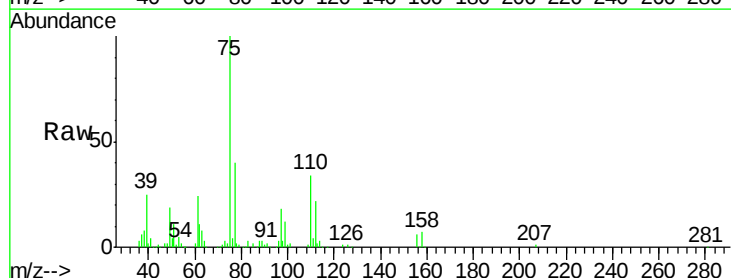
Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

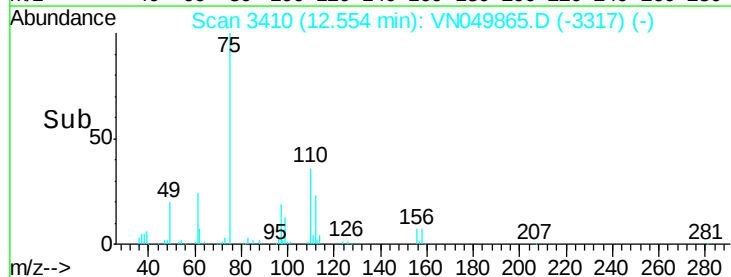
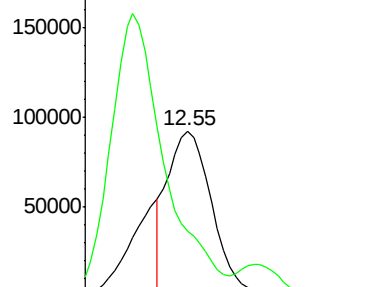
Tgt Ion: 75 Resp: 154518
Ion Ratio Lower Upper

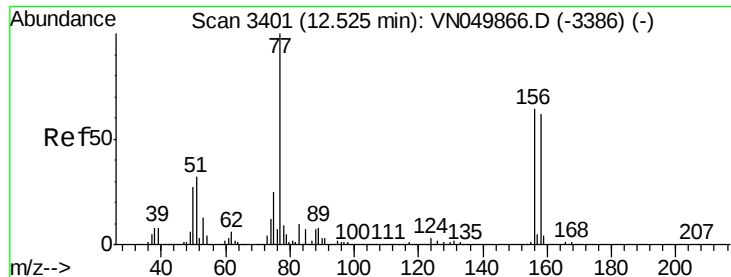
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049865.D (-3317) (-)
Ion 77.00 (76.70 to 77.70): VN049865.D (-3317) (-)





#77

Bromobenzene

Concen: 21.08 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 171796

Ion Ratio Lower Upper

156 100

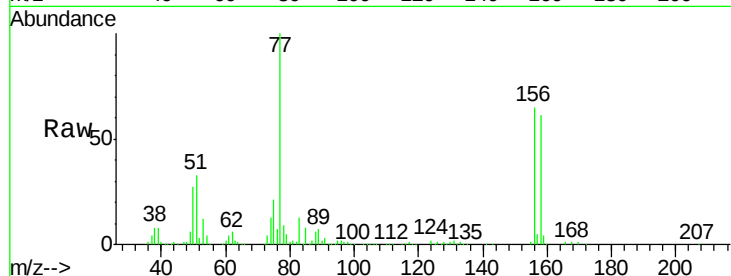
77 186.4 90.2 270.6

158 96.5 49.1 147.3

Manual Integrations
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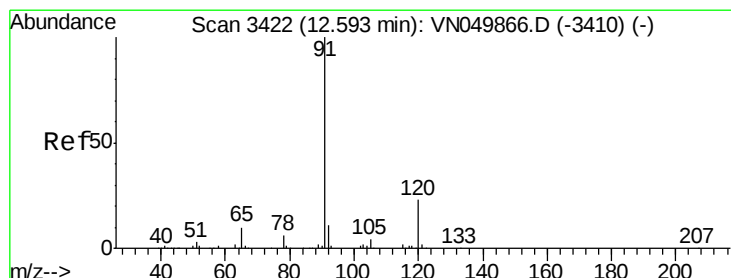
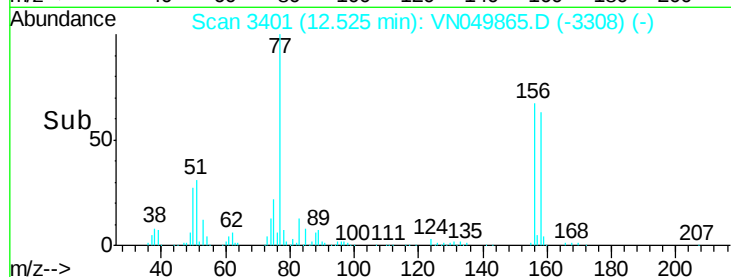
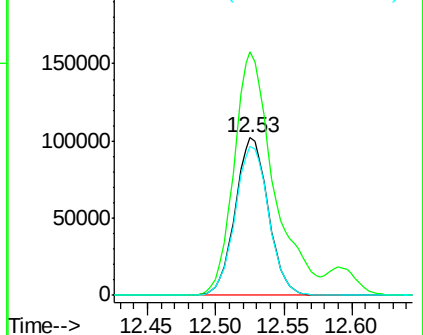
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.16 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049865.D

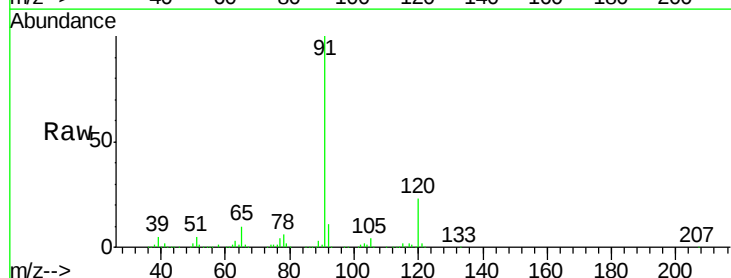
Acq: 18 Jul 2018 11:09

Tgt Ion: 91 Resp: 741415

Ion Ratio Lower Upper

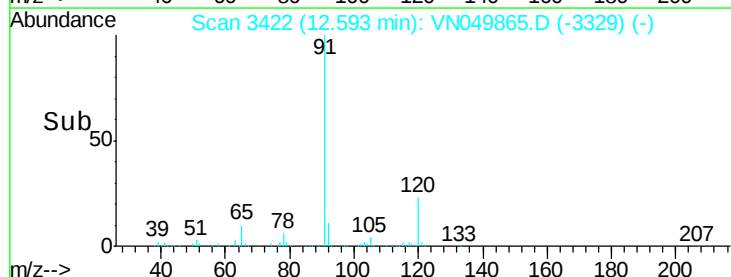
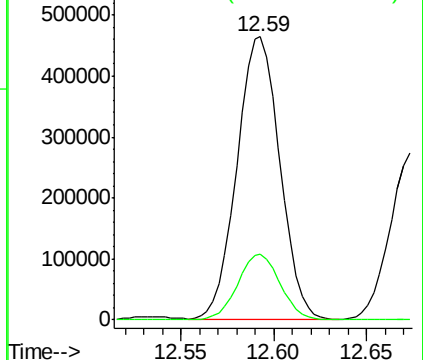
91 100

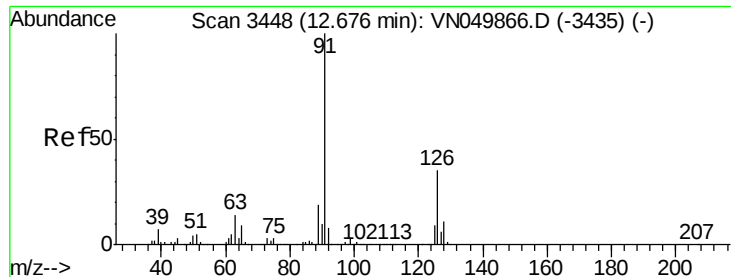
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.05 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 455576

Ion Ratio Lower Upper

91 100

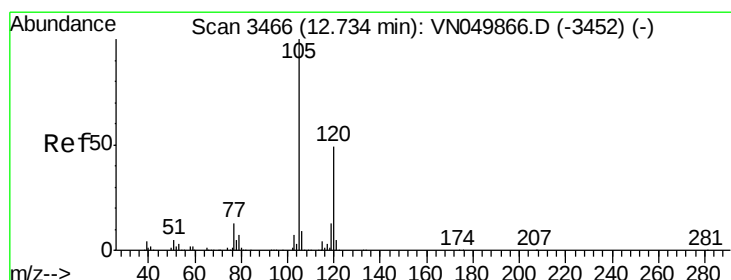
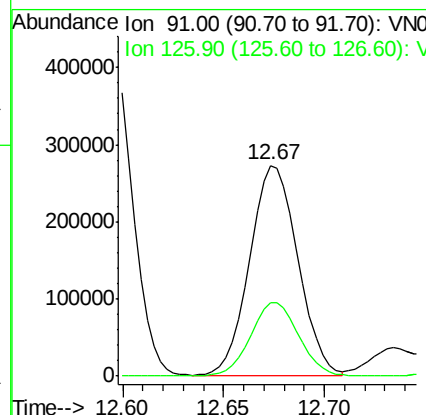
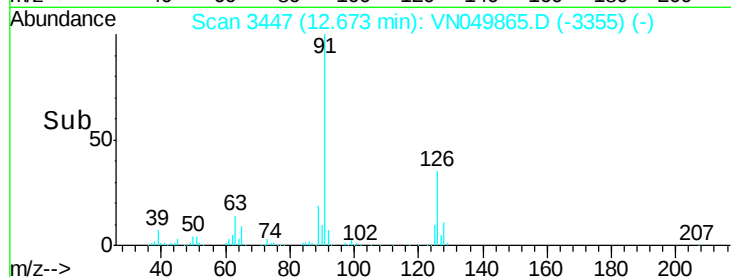
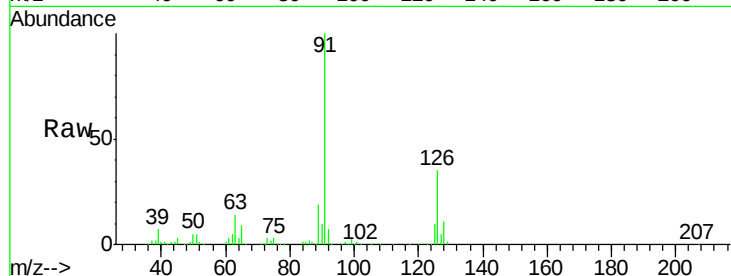
126 35.2 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.11 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049865.D

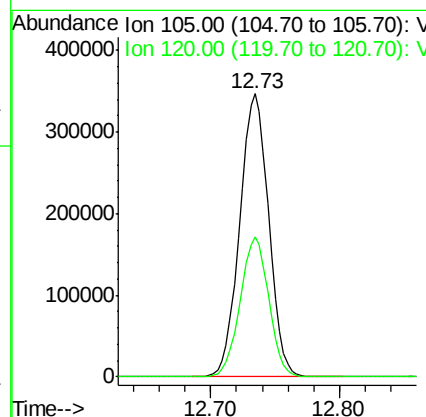
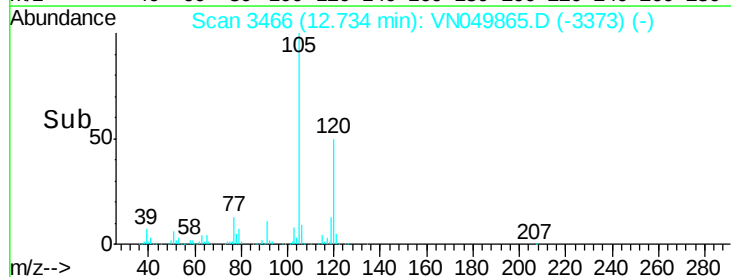
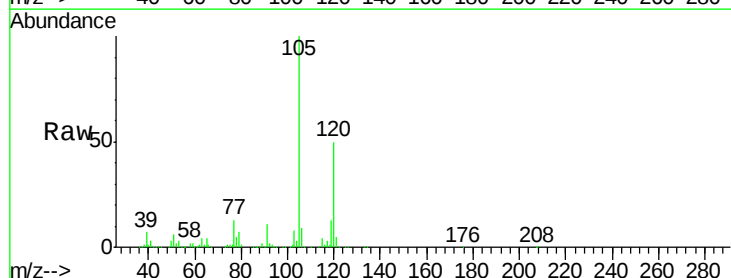
Acq: 18 Jul 2018 11:09

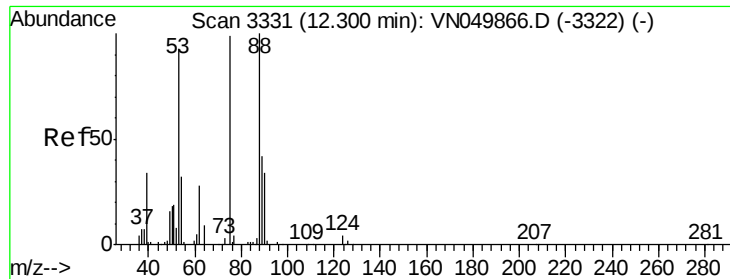
Tgt Ion: 105 Resp: 538401

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.26 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 47293

Ion Ratio Lower Upper

75 100

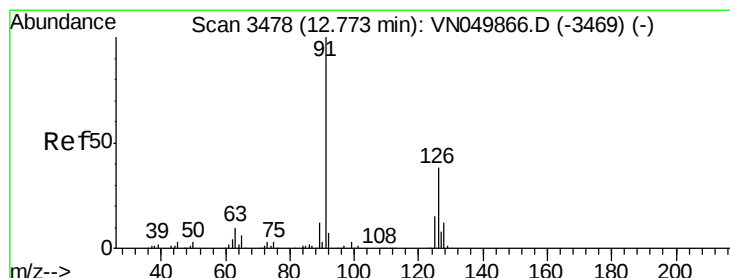
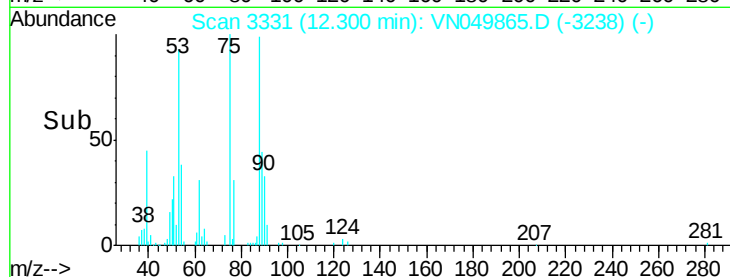
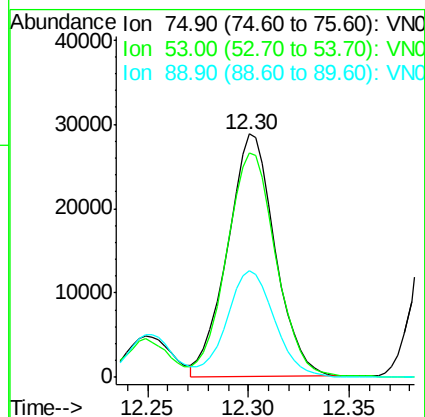
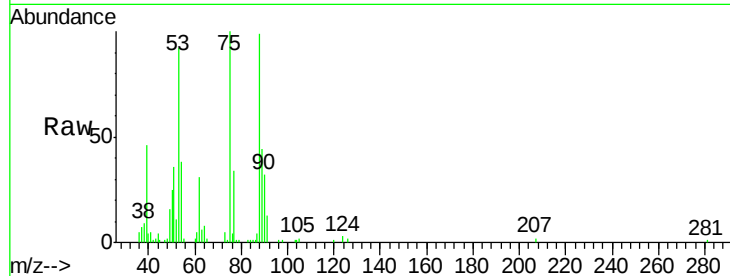
53 97.4 73.9 110.9

89 44.2 35.9 53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.57 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049865.D

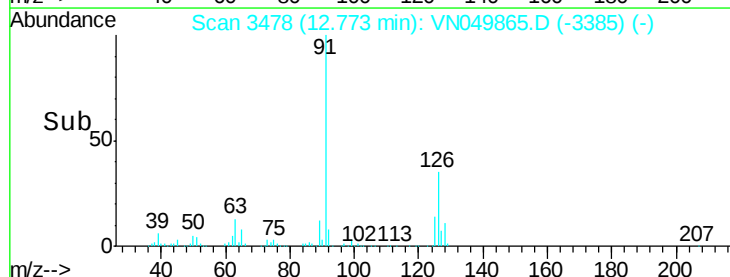
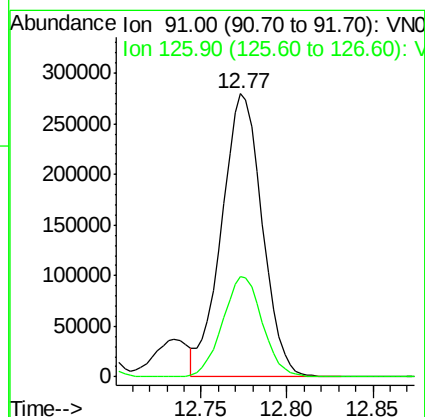
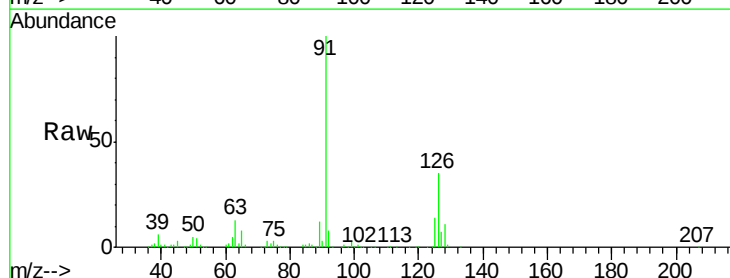
Acq: 18 Jul 2018 11:09

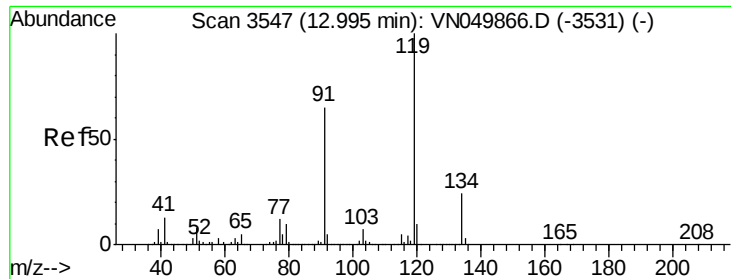
Tgt Ion: 91 Resp: 460588

Ion Ratio Lower Upper

91 100

126 34.8 17.2 51.6





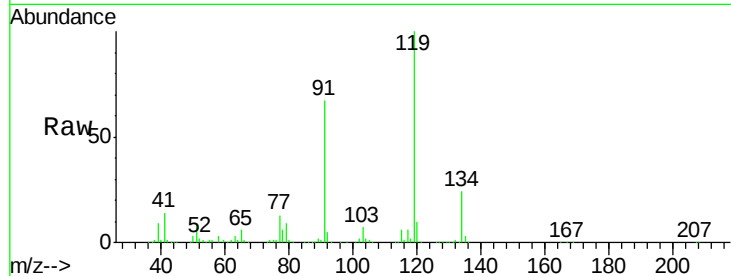
#83
tert-Butylbenzene
Concen: 21.90 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

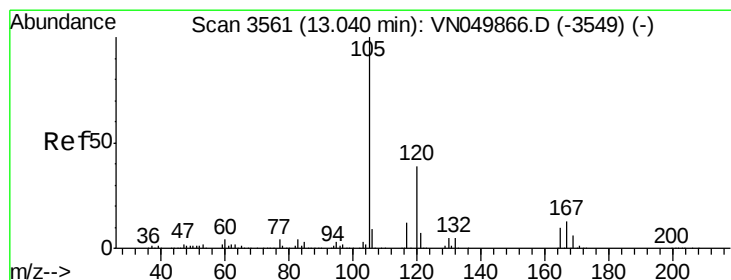
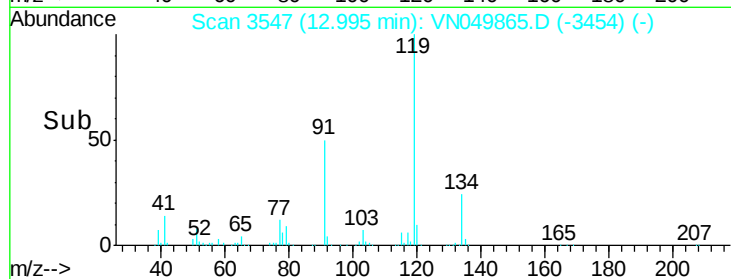
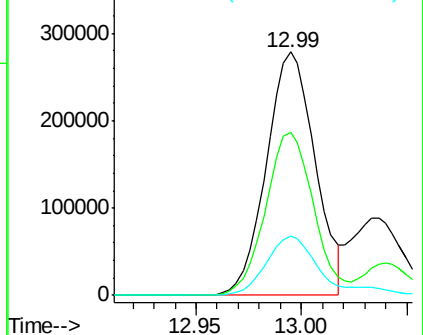
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.0	96.2
134	27.3	12.8	38.4

Manual Integrations
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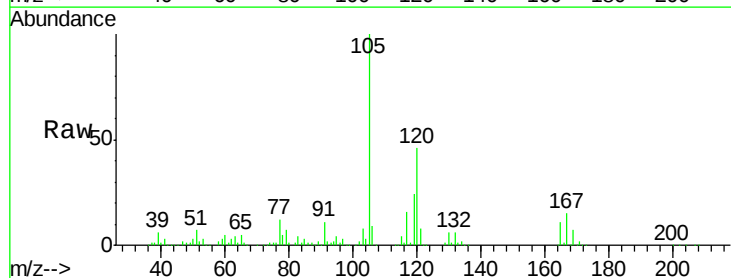


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

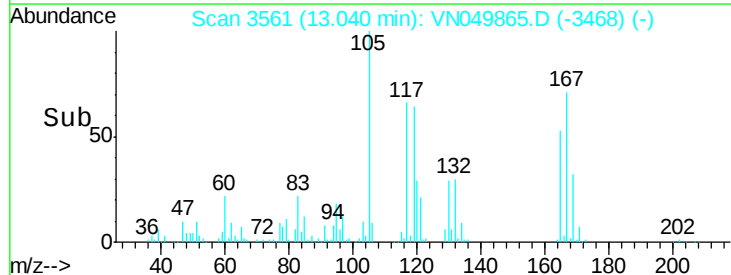
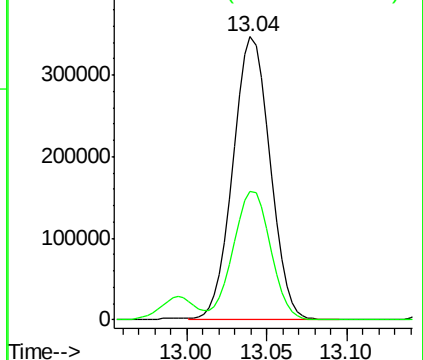


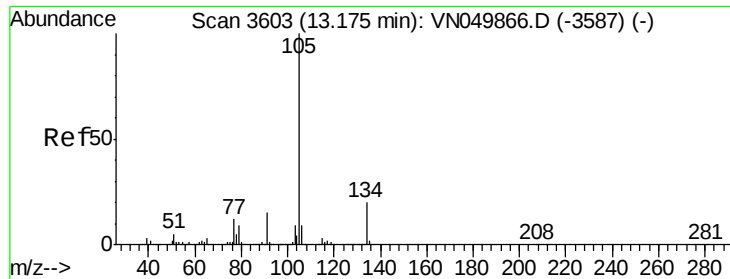
#84
1,2,4-Trimethylbenzene
Concen: 23.00 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.60 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 621014

Ion Ratio Lower Upper

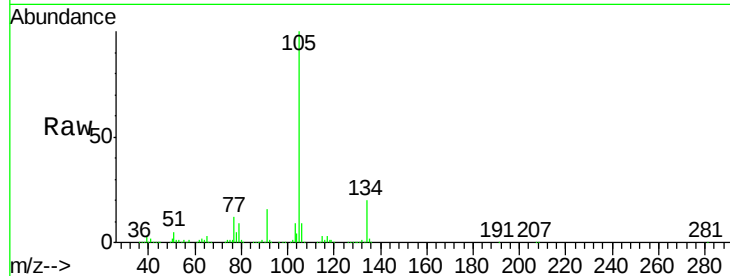
105 100

134 19.8 10.1 30.1

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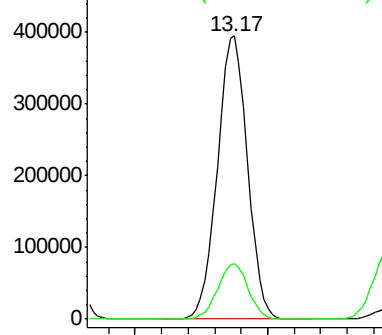
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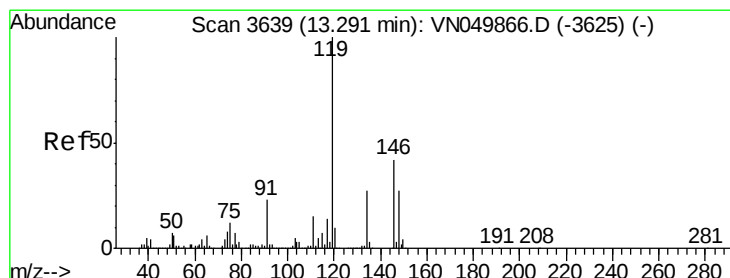
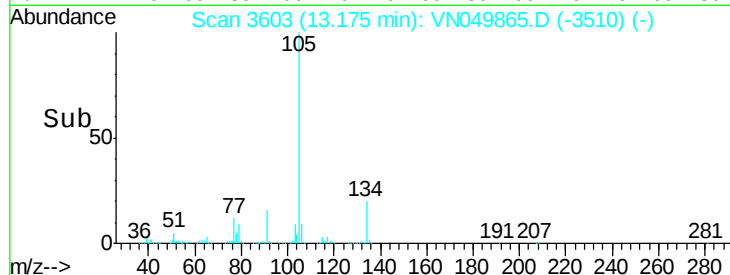


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.75 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

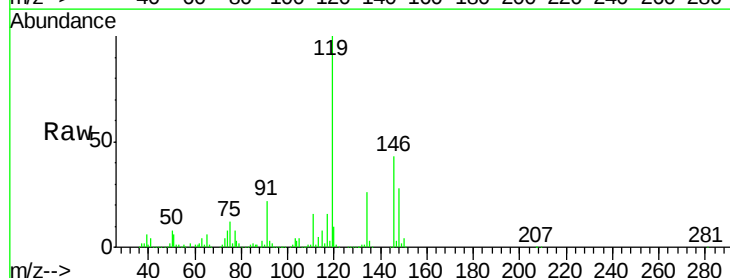
Tgt Ion:119 Resp: 528573

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

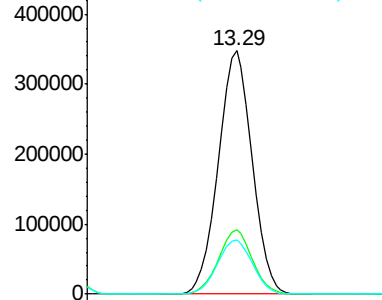
91 22.9 11.4 34.1



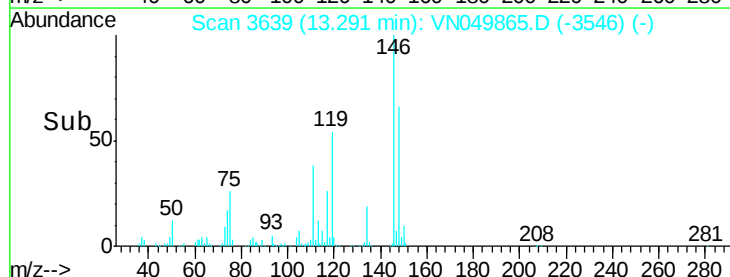
Abundance Ion 119.00 (118.70 to 119.70): V

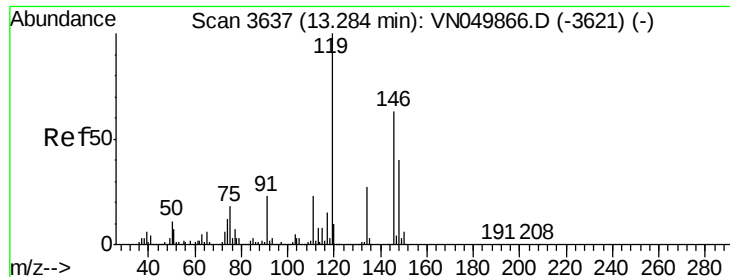
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





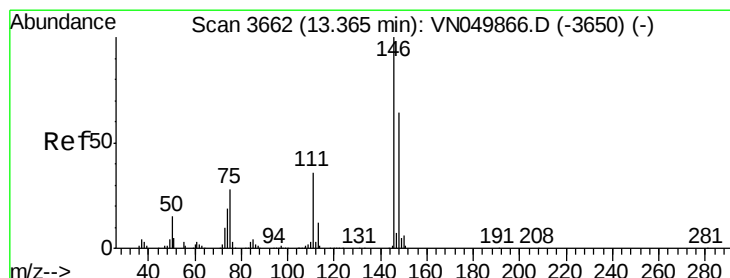
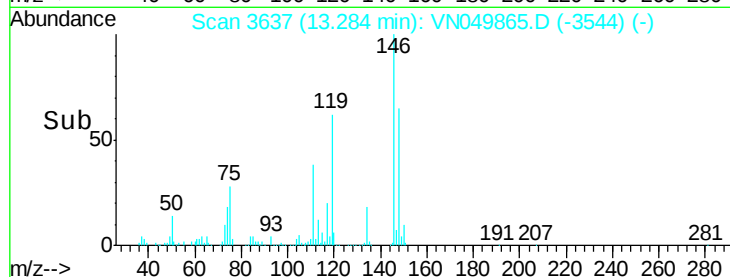
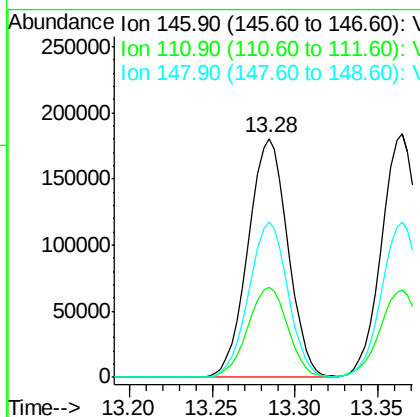
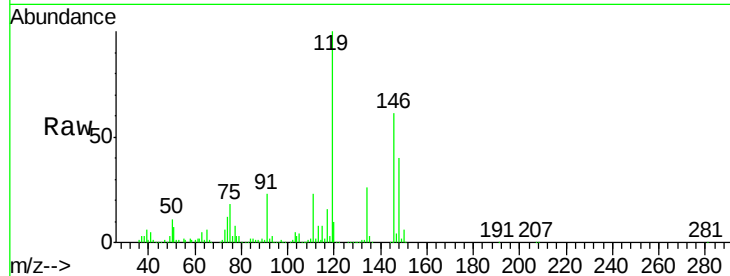
#87
 1,3-Dichlorobenzene
 Concen: 21.57 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	63.8	32.5	97.5

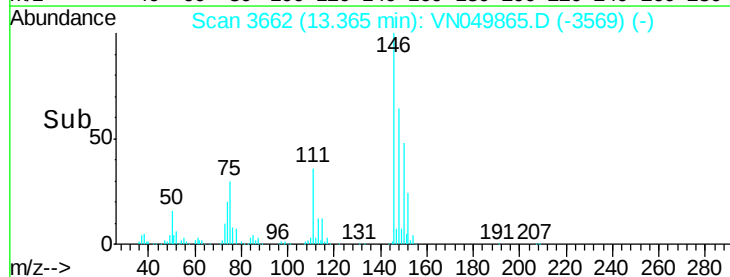
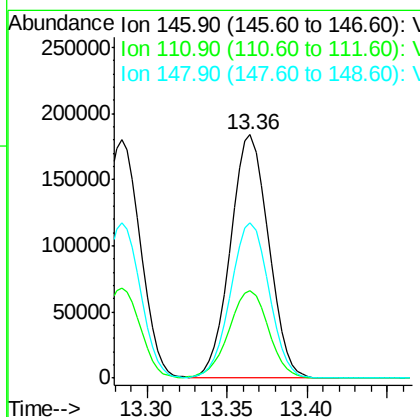
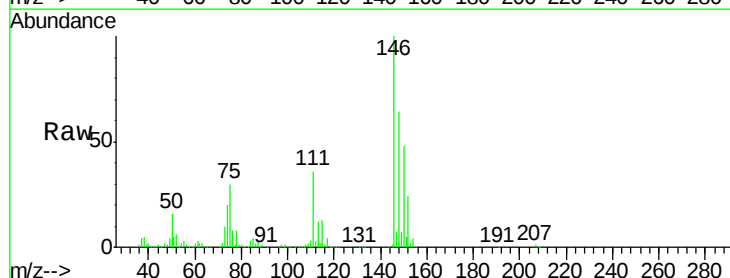
Manual Integrations
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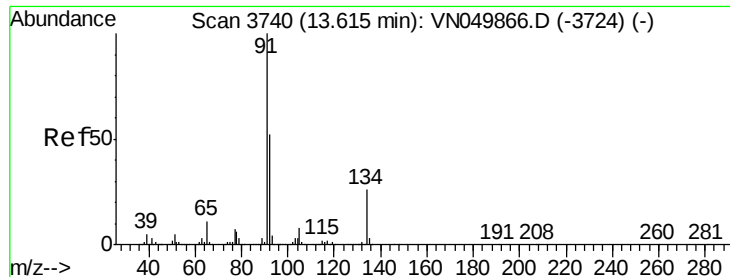
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#88
 1,4-Dichlorobenzene
 Concen: 21.70 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.5
148	64.3	32.1	96.3





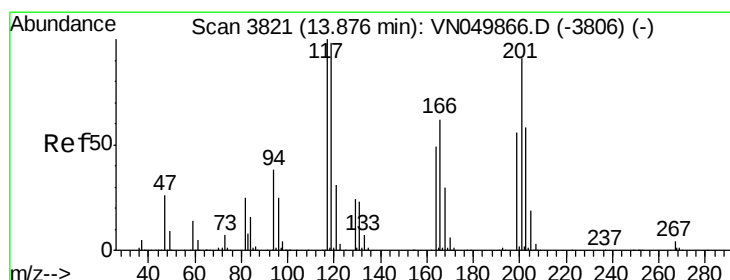
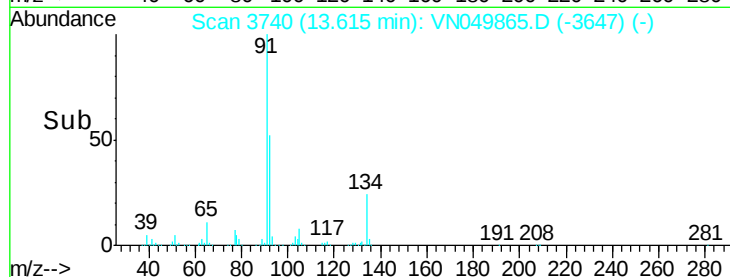
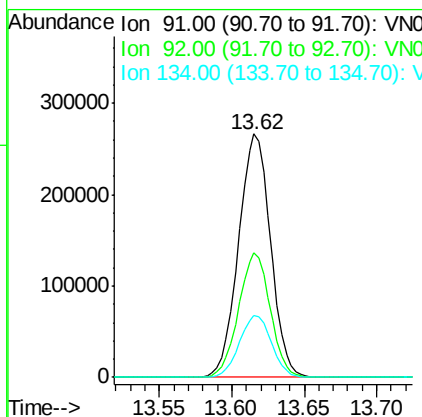
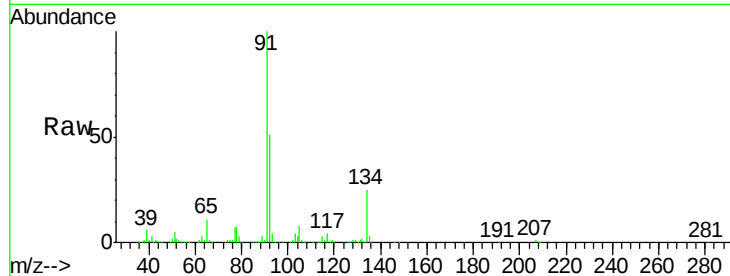
#89
n-Butylbenzene
Concen: 21.43 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.3
134	25.5	13.0	38.9

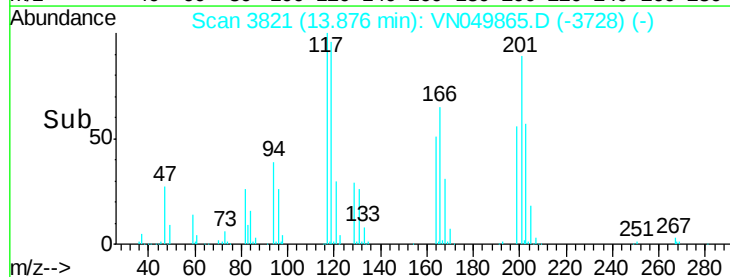
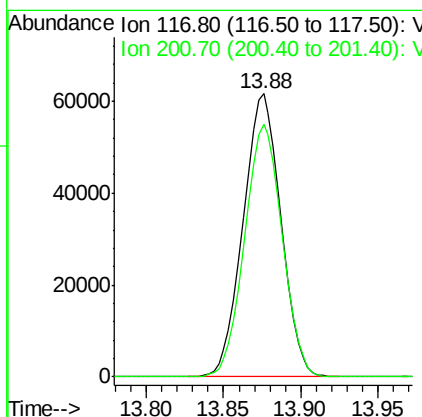
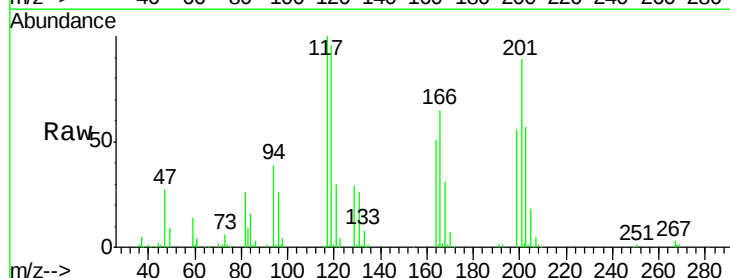
Manual Integrations
APPROVED

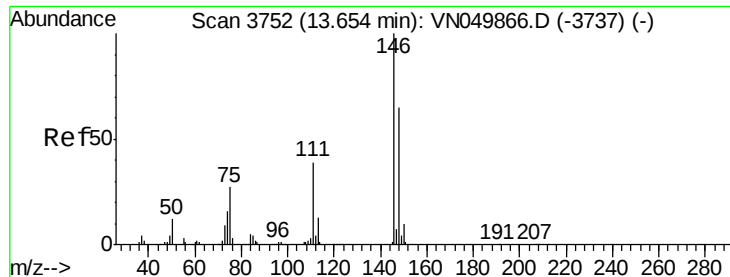
MMDadoda
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#90
Hexachloroethane
Concen: 20.10 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049865.D
Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	45.3	135.8





#91

1,2-Dichlorobenzene

Concen: 21.20 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

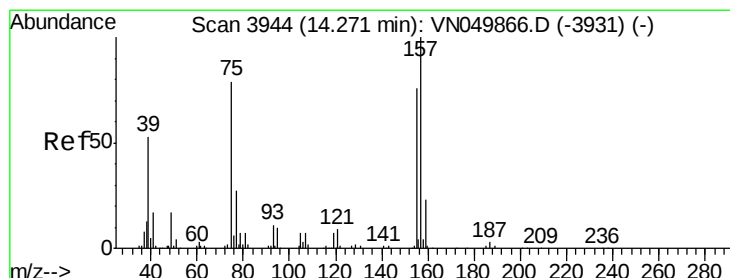
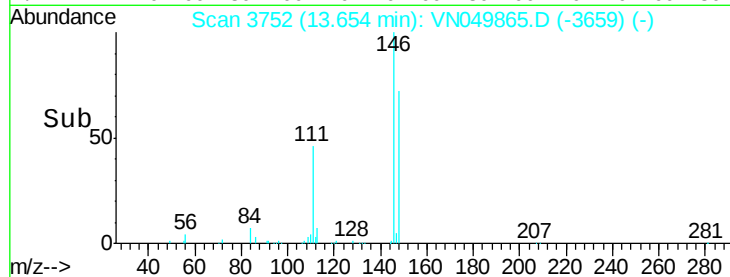
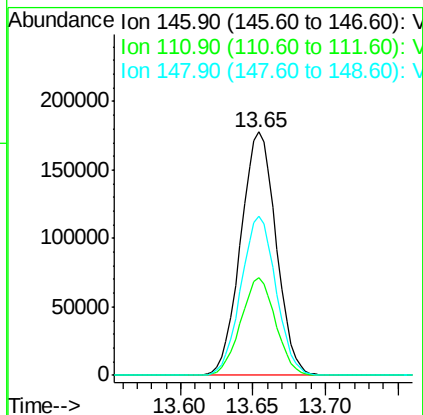
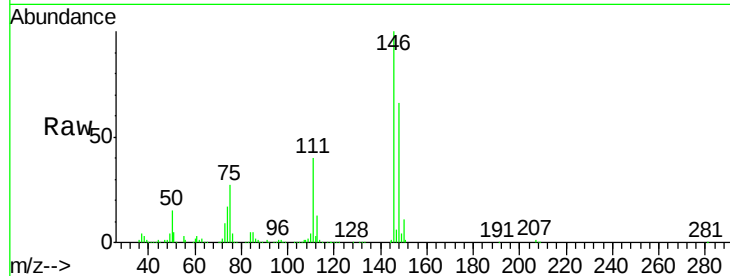
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	301990
Ion Ratio		Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.6	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.56 ug/l

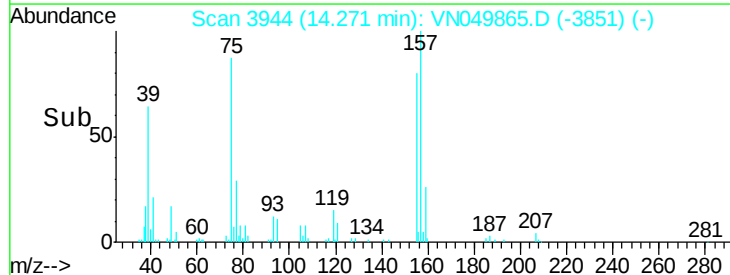
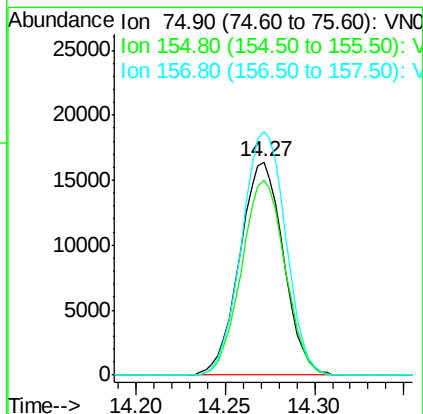
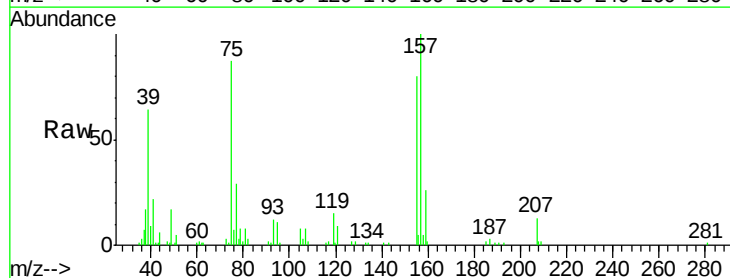
RT: 14.27 min Scan# 3944

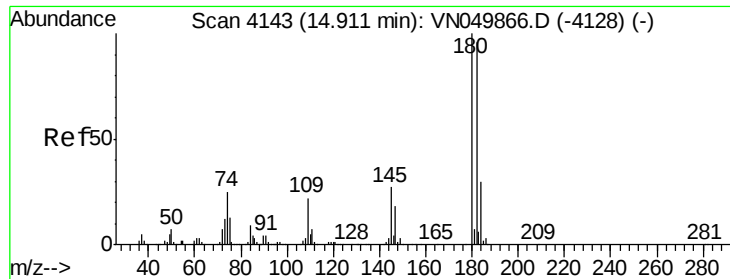
Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Tgt Ion:	75	Resp:	28064
Ion Ratio		Lower	Upper
75	100		
155	90.8	45.7	137.1
157	114.5	56.9	170.7





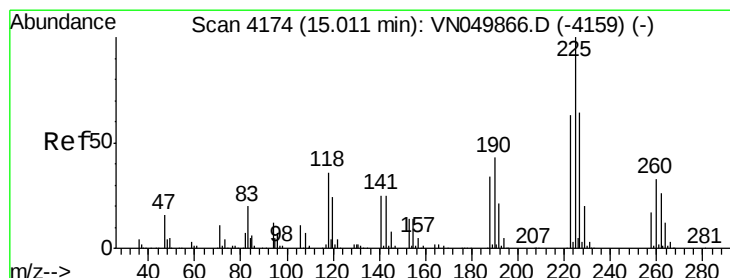
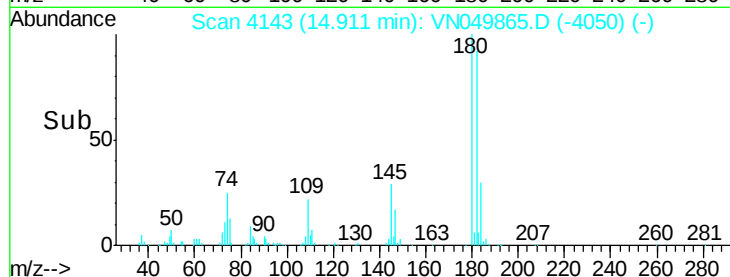
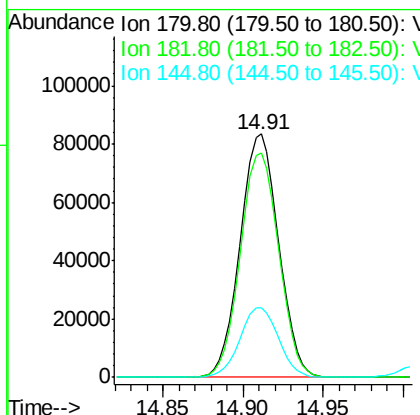
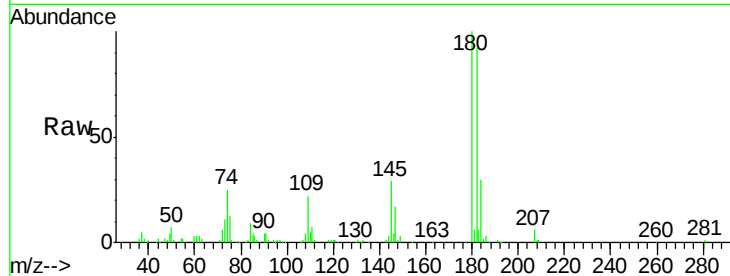
#93
 1,2,4-Trichlorobenzene
 Concen: 21.55 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136684		
182	92.3	47.3	141.9	
145	28.6	14.4	43.0	

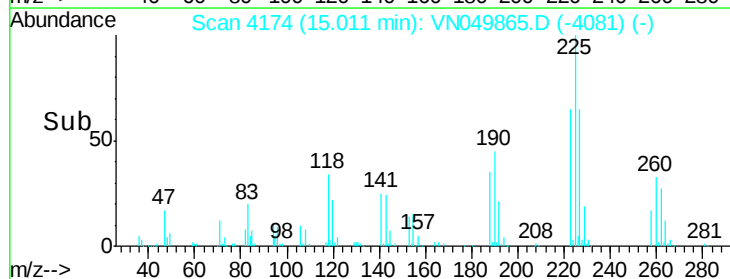
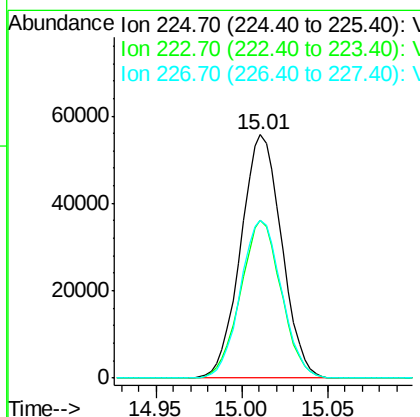
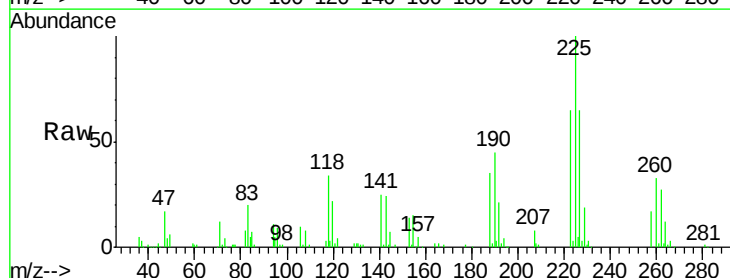
Manual Integrations
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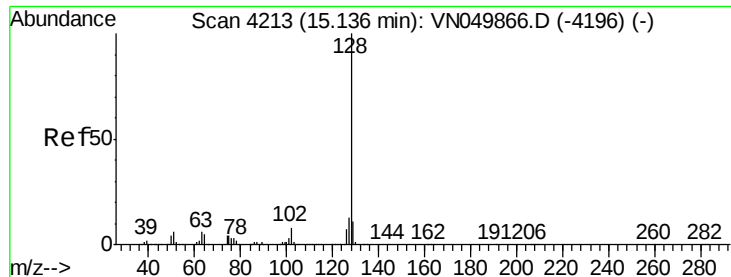
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 7/19/2018 4:28:54 PM



#94
 Hexachlorobutadiene
 Concen: 20.67 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049865.D
 Acq: 18 Jul 2018 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91974		
223	64.2	30.9	92.7	
227	65.1	31.8	95.4	





#95

Naphthalene

Concen: 18.84 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Instrument :

MSVOA_N

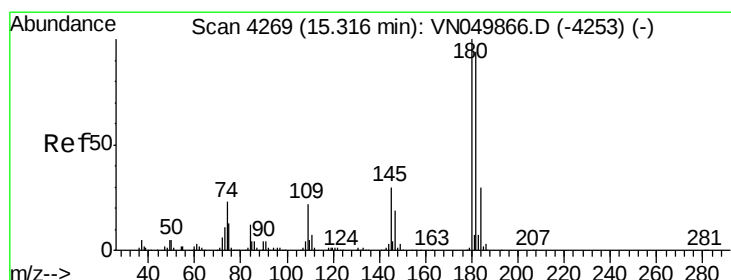
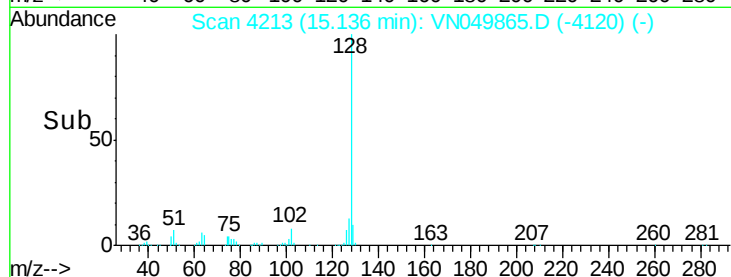
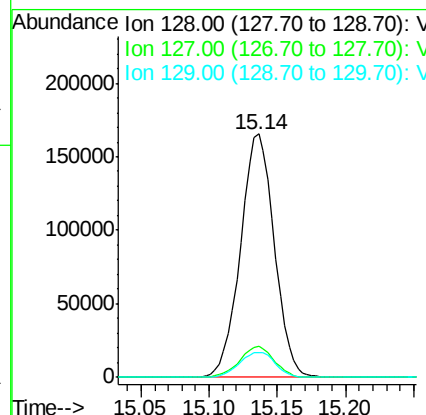
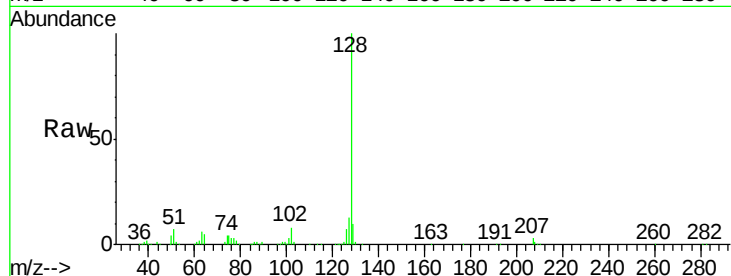
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	285279
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.90 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049865.D

Acq: 18 Jul 2018 11:09

Tgt Ion:	180	Resp:	140159
Ion Ratio		Lower	Upper
180	100		
182	94.6	47.4	142.2
145	30.3	15.2	45.6

